

GUJARAT TECHNOLOGICAL UNIVERSITY
Syllabus for B. Arch
EIGHTH SEMESTER

SUBJECT NAME – Site Planning

SUBJECT CODE – 1085003

FOCUS:

To develop sensitivity to factors influencing site design/planning in Rural or Urban area, to develop understanding of principles and techniques of site planning and apply them to actual situations/conditions. To emphasize the role of site planner in site Planning/design

CONTENTS:

- Introduction to site planning, Importance of site planning, Various factor's affecting to Site planning process Site analysis - understanding various factors influencing site selection and resource analysis.
- Importance of site Planning for starting a new site and Site Set up in Site Planning
- Basic requirements for starting a new sites
- How to influence of site data like contouring, rain intensity, catchment area, geological conditions, local tradition, material + Labor + Machinery availability in same region, water resources, sanitation disposal facility etc.... in site planning
- Site planning in urban area and Rural Area [Particularly Mass Housing - Site planning in natural area]
- Site planning standards, sources of information for site data and site information
- Importance of Contour Survey map in site Planning and interpretation
- Importance of Water supply and Sanitation/Drainage system in site planning
- Land use and circulation, zoning, service systems in site planning
- Various Factors affecting for Site Planning for Different Project Like Mass Housing project, Residential projects, Industrial Project, Institutional project, Public Project, Resort / Tourist Project
- Site Planning: Selection of site for various projects, consideration of physical characteristics of site, locational factors, orientation, climate, topography – Landscaping – Mass Housing design – Traditional housing, cluster housing – apartments and high-rise housing [vertical development of housing] – integration all types of services, parking, incorporation of green sustainable practices –prefabrication in housing.

SUGGESTED BOOKS

- Site planning, Lynch, Kevin

- A Guide to Site and Environmental Planning, Rubinstein, Harvey M
- Grade Easy, Untermann, Richard K.
- Site Planning for Cluster Housing, Untermann, Richard K.
- Design with Nature, Mc Harg, Ian
- Urbanization Primer, Caminos, Horatio, and Reinhard Goethert
- Designed for Recreation, Beazley Elizabeth
- Campus Planning, Dober, Richard P.
- The Granite Garden, Spirn, Anne Whiston