

GUJARAT TECHNOLOGICAL UNIVERSITY
BRANCH NAME: B. Arch
SUBJECT NAME: Site Planning
SUBJECT CODE: 2X85003
4th Year: Semester-VIII

Pre requisite:

It is assumed that the students have basic understanding of Landscape architecture and it's relevance to Architecture.

Rationale:

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.

Teaching and Assessment Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks	University Exam Type
Field work	Lectures	Studio	C	Theory Marks		Practical Marks		100	Theory Exam
1	1	2	4	ESE (E)	PA (M)	ESE(V)	PA (I)		
				50	50	00	00		

Content:

SR. No.	Content	Total Hours	Weightage
1	Introduction: Introduction to site planning, Importance of site planning, Types of Various Landforms, various factor's affecting to Site planning process. Site planning in urban area and Rural Area [Site planning in natural area]	12	20%
2	Site survey and Appraisal: 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 and understanding concepts of Land use and circulation, zoning, service systems, etc. in site planning	12	20%
3	Site analysis: Site analysis and mapping –including natural factors and cultural factors Natural factor including geology (soil & drainage), landforms (topography & slopes), hydrology (ground & surface water), flora & fauna, and climate. Cultural factor including user group, socio-economics, existing land-use, built density & zoning, existing circulation and networks, utilities and public Infrastructure and, historic factors. Other factors like visual references and natural features.	16	25%

4	<p>Case studies and Inferences: For Different Project Like Mass Housing project, Residential projects, Industrial Project, Institutional project, Public Project, Resort / Tourist Project. Case Study of large scale Urban/ Architectural project: Understanding which lead to planning of a certain kind in the chosen case studies at regional scale as well as city scale and site scale (of a specific building or site).</p>	24	35%
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References:

1. Site planning, Lynch, Kevin
2. A Guide to Site and Environmental Planning, Rubinstein, Harvey M
3. Grade Easy, Untermann, Richard K.
4. Site Planning for Cluster Housing, Untermann, Richard K.
5. Design with Nature, Mc Harg, Ian
6. Urbanization Primer, Caminos, Horatio, and Reinhard Goethert
7. Designed for Recreation, Beazley Elizabeth
8. Campus Planning, Dober, Richard P.
9. The Granite Garden, Spirn, Anne Whiston
10. Laurie M. 1986. An Introduction to Landscape Architecture. Elsevier.
11. Hubbard H.V., An Introduction to Landscape Design. Bose & Chowdhary, 1991 Tropical Garden Plants in Colour. H & A Publishers, Calcutta.
12. Clifford O., History of Garden Design. Root, James S., Fundamentals of Landscape and Site Planning

List of Projects/Assignments*:

Lectures/Tutorial work shall consist of presentations on various topics of the subject. AV projects may be introduced to students for documenting best practices and advances through case studies. A group discussion or forum may be organized for discussion on various aspects of the subject.

*- this is suggestive for common purpose. Faculty may decide on this, considering student group and institution philosophy.