

GUJARAT TECHNOLOGICAL UNIVERSITY
BRANCH NAME: B. Arch
SUBJECT NAME: Architectural Design Studio – VIII
SUBJECT CODE: 2X95001
5th Year: Semester-IX

Pre requisite: It is assumed that students should have developed an understanding of Designing multi-utility buildings /campus / complexes, and incorporating the constraints derived from the context it is placed in.

Rationale: The studio focuses on understanding of design criteria and development of design of buildings in urban context, the phasing and development. Also to develop the abilities and skills to design buildings as an urban insert by understanding the influence of the building on and off the immediate & distant surroundings and understand the circulation of large masses, people and various modes of Transport.

Teaching and Assessment Scheme:

TEACHING SCHEME			CREDITS	EXAMINATION MARKS				TOTAL MARKS	UNIVERSITY TYPE
Field work	Lectures	Studio	C	External Exam		Internal Exam		100	JURY
4	2	8	14	Theory	Viva	Theory	Viva		
				00	40	00	60		

Content:

Sr. No.	Content	Total Hours	Weight age
1	Understanding the importance of 'context' and built environment.	28	10%
2	Process of understanding the notion of urbanism and relating it with Indian cities & their urban spaces. Understanding contradictions and diversities that reflect in figure ground. Understanding notions of urbanism on macro to micro level city plans and interventions.	42	15%
3	Concepts and parameters of urban design: Urban scale, Mass and Space; Understanding components of urban fabric ; Making a Visual survey; Understanding the various urban spaces in the city and their hierarchy- Spaces for residential, commercial, recreational and industrial use: Special focus on streets ;Expressive quality of built forms, spaces in public domain.	42	15%
4	Relevant case studies and their analysis: Examining existing case and literature studies of similar nature to develop design criteria. Extensive Site analysis of the proposed site for assessing on-site and off-site potentials and constraints.	42	15%
5	Assessing the needs of user groups and diagnose implications of suggested interventions on the larger urban fabric to re-examine values in terms of social, physical, and the progressive nature of change. Besides design and planning of buildings within the campus the concentrations also needs to be on integration of complex building services, building sciences, building bye-laws in accordance to Master Plan of city and structural systems.	56	25%
6	Final Project document/ Preparations of drawings, proposals and final	14	20%

assessment.		
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*: indicative

Suggested Studio Exercises:

- Study of a given urban fabric with underlying context.
- Urban Intervention Projects: Design of buildings / building complexes in specific urban contexts such as heritage zones, near existing and within built environments.
- Development of projects containing group of buildings with multiplicity of constraints such as relationship of land uses, space, architectural character, circulation, movement landscape and buildings.
- The exercises such as redevelopment and urban improvement projects shall be generated after understanding the existing physical, socio-cultural, economic and political context surrounding activities etc.

Concepts of sustainable architecture and energy efficient buildings reuse recycled and recharging resources such as water, solar bio-resources; can be introduced in the studio design.

Approach:

- Design methodology shall take precedence over design.
- Model of existing site and context shall be prerequisite for design insertions.
- Part of project may be done in groups to develop teamwork and multi-faceted approach to design.
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Reference Books

1. Le Corbusier, "Towards a New Architecture"
2. Charles Jencks, "The language of Post Modern Architecture".
3. Willam Jr. Curtis, "Modern Architecture since 1900", Phaidol.
4. Aldo Rossi, "The Architecture of City"
5. Peter Eisenmen "Diagram Diary"
6. Rob Krior "Town Spaces",
7. Kevin Lynch "City sense and City Design",
8. Edmund N. Bacon "Design of Cities",

*- this is suggestive for common purpose. Studio faculty may decide on this considering student group, studio requirements and institution's philosophy.