

GUJARAT TECHNOLOGICAL UNIVERSITY
BRANCH NAME: B. Arch.
SUBJECT NAME: Architecture Design Studio – IV
SUBJECT CODE: 2X45001
2nd Year
Semester: IV

Prerequisite:

Student should have completed Design Studio – I, II & III taught in semester I to III.

Rationale:

- **Context** as a determinant of Architectural character
- Addressing Built form with special reference to physical context - climate, landscape, site features, building material & other physical environment
- Exploration of design with special reference to **socio-cultural context** - social, cultural, economic needs of different user groups with various contexts like traditional or contemporary.
- Use of appropriate building materials, construction technology and structural system. Integration of basic building services and landscape features

Teaching and Assessment Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks	University Exam Type
Field work	Lectures	Studio		External exam		Internal exam			
				(ESE)Theory	(ESE) Viva	(PA)Theory	(PA)Viva		
2	2	6	10	NA	40	NA	60	100	JURY

Content:

Sr. No.	Content	Total Hours*	% Weightage*
1	Unit I: Related Study Program-III (3-5 days long related study program) <ul style="list-style-type: none"> - Selection of RSP site should strictly follow the studio objective. - Exploration of indigenous building materials & their application - Resultant form and pattern - Building appraisal through direct participation - Documentation and recording of observations 	40	20%
2	Unit II: Study architectural interdependency of building material-climate-culture-construction-design in creation of complex architectural form or settlement. <ul style="list-style-type: none"> - Understand multiplicity and complex relationships of design elements at multiple levels - Analytical studies of indigenous settlements to understand the socio-cultural elements, environmental impact and their impact on the built form (Cluster & community - street pattern, Traditional design and construction principles, Issues of modernity and tradition) - Understanding appropriateness of building and 	60	40%

	<p>construction system based on the criteria of workmanship/materials available, climate, adoption of alternative material or technology, maintenance issues, etc.</p> <ul style="list-style-type: none"> - Understanding architecture's role in mediating socio-cultural environment through the documentation & analysis of an existing / traditional settlement 		
3	Unit III: Design and development of a multi-cellular project of medium complexity with focus on the contextual architecture, appropriate technologies, circulation patterns (at multiple levels).	60	40%

*: indicative

Reference Books:

- Form, Space and Order – Francis D.K. Ching
- Corbusier, Le: Towards New Architecture, Dover Publications Inc, New York
- De Bono, Edward: Lateral thinking, Harper Collins Publishers
- Rapoport, Amos :House ,form and Culture, Prentice Hall, Englewood Cliffs, N.J ,1969
- Giedion, Siegfried; Space, Time and Architecture. ,Harvard University Press, 1963
- Jain, K. B.: Indian Cities of the Arid West, 1994

List of Projects/Assignments*:

Lectures, Studios, Field trips, Study tour, documentation, recording, presentation, group discussion

Each design studio culminates with a design project of appropriate size and complexity for exercise of skills/knowledge gained during respective semester.

*- this is suggestive for common purpose.