

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BRANCH NAME: B. Arch**  
**SUBJECT NAME: Theory of Architecture**  
**SUBJECT CODE: 2X85002**  
**4th Year: Semester-VIII**

**Pre requisite:**

It is assumed that the students are familiarized with the Architectural history and theory in the present context.

**Rationale:**

To introduce the various facts of architecture and it's influencing factors. To introduce the formal vocabulary of architecture as one of the ways to experience the built environment. To understand and appreciate the universals of architectural form and space in terms of elements and principles within particular historical, cultural and geographic contexts.

**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
NA	2	2	4	ESE (E)	PA (M)	ESE(V)	PA (I)		
				50	50	00	00		

**Content:**

SR. No.	Content	Total Hours	Weight age
1	<b>Introduction:</b> Introduction to architectural theories in eastern and western context Overview to Theories during Antiquity, Renaissance, Classical and Gothic revival phase. Introduction to Theory and social context during development of Modernism .Introduction to reactionary thoughts developed after modernism.	12	20%
2	<b>Modernism:</b> The principles and philosophy of modern movement- in art, design and architecture, worldview, perceptions of time and space, mode of reasoning, role of technology and industrial materials <ul style="list-style-type: none"> <li>• Contribution to architectural thought: Bauhaus school</li> </ul>	12	20%
3	<b>Postmodernism:</b> The principles and philosophy of Postmodernism- in architecture, worldview, theories & perceptions of time and space, mode of reasoning. <ul style="list-style-type: none"> <li>• Ideas on Post-Modern Classicism by Robert Venturi and Charles Jencks.</li> </ul> Works/Philosophies of Robert Venturi, Christopher Alexander, Mario Botta, Renzo Piano, Frank Owen Gehry, Jane Jacobs, and De constructivist architects such as Peter Eisenman, Bernard Tschumi, Daniel Libeskind, Rem Koolhaas, Zaha Hadid Can also be discussed.	16	25%

4	<p><b>Interpretation of design vocabulary through the theories of Architecture:</b>  Understanding fundamental principles such as proportion, scale, balance, symmetry/asymmetry, rhythm, axis, hierarchy, datum, unity, harmony, dominance, climax – Movement with reference to the architectural form and space  Detailed study of relationship between architectural form and circulation – Types of circulation – Building approach and entrance, path configuration and form, path space  Relationship, orientation and other paradigms of architectural principles and ideologies can be developed through several precedents studies of the architects’ work.</p>	24	35%
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\*: indicative

**References:**

1. Simon Unwin, “Analysing Architecture”, Roulledge, London, 2003.
2. Pramara V.S., “Design Fundamentals in Architecture”, Somaiya Publications Private Ltd., New Delhi, 1973.
3. Yatin Pandya, “Elements of Space making”, Mapin 2007.
4. Leland M.Roth, “Understanding Architecture: Its Experience History and Meaning”, Craftsman house, 1994.
5. Peter von Meiss, “Elements of architecture – from form to place”, Spon Press 1977.
6. Rudolf Arnheim, “The dynamics of architectural form”, University of California Press, 1977.
7. Charles Jencks & Karl Kropf, Theory and Manifestoes of Contemporary Architecture
8. Le Corbusier, Towards a New Architecture
9. Ada Louise Huxtable, The Unreal America: Architecture and Illusion, 1997
10. Aldo Rossi, The Architecture of the City,
11. Christian Norberg Schulz, Intentions in Architecture,
12. Robert Venturi, Complexity and Contradition in Architecture.
13. Geoffrey Broadbent, Design in Architecture, 1977
14. Jon Lang, Creating Architectural Theory, 1987
15. Gautam Bhatia, A moment in Architecture, 2002
16. Juhani Pallasmaa, Encounters

**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.