Sl. No.	Sub. Code	Theory	Contact Hours			Credit
			L	T	P/S	
5.	22AR553	Theory of Architecture-II.	3	0	0	3

Course Objective

To create a deep understanding about Architecture and Design from a theoretical perspective. To help students to develop a strong design vocabulary to communicate their design and to understand the philosophy and the undercurrents of the design process. To impart knowledge of different aesthetic movements and philosophies that has influenced architectural principles and evolution of architectural style over time in the world.

Anticipated Learning Outcomes:

Ability to comprehend some of the main theoretical moorings of 20th and 21st century in architecture, analyse built works and critically examine the ideas and view of practice they represent as a precursor to shaping one's own design approach and vocabulary.

Module 1

Theoretical Base in Architecture

Normatic, Thematic, Analogic, Proportional and Chronological.

Theories of perception and variability of perception, Phenomenology of perception - Merleau-Ponty; Themes that have informed 20th century architecture and urbanism: History and historicism, Type and typology, The nature of the site/The constructed site, Tectonic and Constructed object, Modernism *(Walter Gropius, Le Corbusier, Mies van der Rohe, Frank Lloyd Wright, Louis Sullivan)*; Postmodernism *(Michael Graves, Robert Venturi, Philip Johnson)*; Structuralism *(Charles Alexander Jencks, Aldo van Eyck, Herman Hertzberger, Kenzō Tange, Claude Lévi Strauss)*; Post-structuralism/Deconstruction *(Bernard Tschumi, Peter Eisenman, Henri LeFebvre, FrankGehry, Daniel Libeskind, Zaha Hadid)*; Biomimicry/biomimetics *(Antoni Gaudi, Norman Foster)*

Module 2

General discussion on form; inanimate nature, biological nature and human environment. Understanding of the determinants of physical forms as known to architects and environmental planners-concepts of space, structure, organization, symbolism etc.; Case study methods; Concept theory.; Architectural Criticism.

Module 3	Definition of design, Design process and thinking; goals and objectives, information gathering, checklists, analysis and synthesis, simulation, actionability and implementation of intentions; Value Judgments in Design; Design and Morality/Ethics, Socially Responsive Design Process, Inclusive Design, evaluation of design, Design Skills, Context for architectural design problems ; Proxemics, Kinesthetics; theories in relation to practice, writing and theory as design tools in professional practice, Theory as a basis of the student's personal philosophy as an architect.
Module 4	Introduction to Ekistics; Post Occupancy Evaluation; Universal Design; Energy Audit; Nanotechnology and Materials; Space Syntax; Multi- criteria evaluation of site.
Module 5	Introduction to the ideas, issues and concepts of sustainable development; principles of environmentally and ecologically sensitive architecture; Importance of water, energy, materials and community in architecture for sustainable development.

Note: Most Architectural subjects do not have Textbooks. The Reference books mentioned below are for reference only and University question paper should be prepared from the Syllabus descriptions.

References

1. *Geoffrey Broadbent - Design in Architecture - Architecture and the human sciences - John Wiley and Sons, New York, 1981*
2. *Nigel Cross - Developments in Design Methodology, John Wiley and Sons, 1984*
3. *Bryan Lauson - How Designers Think, Architectural Press Ltd., London, 1980.*
4. *Johnson, P, Wigley, M, (1988). "Deconstructivist Architecture" in Deconstructivist Architecture, New York: Museum of Modern Art, pp 10-20.*
5. *P. Eisenman, (1999). "Diagram Diaries". Universe, New York.*
6. *Merleau-Ponty, M., (1964). "The primacy of perception". In The Primary Perception and other essays on phenomenological psychology, the philosophy of art, history, and politics, (J. M. Edie Trans), North-western University Press.*
7. *Robert Venturi, (1966) "Complexity and Contradiction in Architecture. New York: The Museum of Modern Art.*
8. *Tschumi, B. (1994). "Architecture and disjunction. Cambridge", Mass: MIT.*
9. *12. Sustainable design manual, Vols. 1and 2, The energy and resource institute, New Delhi.*