

IKS Centre for the Study of Knowledge Transmission in India

Centre for Indic Studies, Indus University, Ahmedabad

COURSE TITLE: INDIAN KNOWLEDGE SYSTEM IN ARCHITECTURE AND TOWN PLANNING

Focus Area/Subject Area: Architecture and Town Planning

Total Duration: 30 Lectures (15 Hrs)

Eligibility: Students pursuing UG in Architecture, Design and Civil Engineering

Details of the Instructor:

1. Dr. Komal Thawrani, Asst. Prof., Indus Architecture School, Indus University
2. Dr. Komal Pujara, Research Associate, Centre for Indic Studies, Indus University

Course Objective:

1. Students would be introduced to the glorious past and achievements of the Indian subcontinent ranging from the “ancient period” to the “medieval period” concerning architecture and town planning.
2. To develop a sense of pride and belongingness amongst the students towards Indian Knowledge Systems and further motivate them to bridge the gap between knowledge and application.
3. To understand the nuances of site location, design, layout, architectural elements and planning of residences, temple architecture, forts, town and city planning.

Learning Outcome:

1. The course is devised to acquaint the students with the vast expanse of knowledge on Vastu Vidya and Vastu Shastra.
2. Students would be introduced to ancient Indian scriptures on Architecture and Planning; Temple architecture styles and Town Planning in ancient India.

SYLLABUS

Module 1: Introduction and Fundamental Concepts

- Concept of space in Indian Art and Architecture

Module 2: Temple Architecture

- Historical timeline for dynasty mapping and their important architectural and planning developments.
- Evolution of temple architecture from rock-cut to isolated to structural temples

- Temple construction and style: Nagara, Vesara and Dravida
- Ancient Indian treatise on Temple Architecture
- Iconography in Temples

Module 3: Irrigation and Water Management System

- Irrigation and Water Management System in Ancient India

Module 4: Town Planning

- Ancient Indian Town Planning with reference to Indus Valley Civilization
- Classification of towns according to Manasara
- Town Planning as per cosmic orientation
- Planning of temple towns and sacred geometry of ancient cities

References:

1. Mayamatam : Treatise of Housing Architecture and Iconography by Bruno Dagens
2. Architecture of Manasara by Prasanna Kumar Acharya
3. Encyclopaedia of Indian Temple Architecture by Michael W. Meister (Editor), M. A. Dhaky
4. Theory and Practice of Temple Architecture in Medieval India by Adam Hardy
5. The Hindu Temple: An Introduction to Its Meaning and Forms by George Michell
6. Rediscovering the Hindu Temple: The Sacred Architecture and Urbanism of India by Vinayak Bharne and Krupali Krusche
7. Elements of Indian Art: Including Temple Architecture, Iconography and Iconometry by S.P. Gupta