



# Council of Architecture Training and Research Center, Bhopal

in association with

## CHANDIGARH UNIVERSITY

### Faculty Development Program

# UNDERSTANDING INDIAN KNOWLEDGE SYSTEM IN ARCHITECTURE & PLANNING

**Date: March 20-24, 2023**

Duration: 3.0 hrs. Each day, Total 15 hrs.

Time: 1:00 PM to 4:00 PM (IST) | Mode: Online

## Introduction

The FDP is organized in the context of the emphasis on the rediscovery of the Indian Knowledge Systems that have been in oblivion, and in recognition of their dormant potential to significantly contribute to the community, nation, and global progress. The NEP 2020 raises the importance of recognition of the Indian Knowledge Systems (IKS) as integral to the understanding of our heritage and has recommended undertaking interdisciplinary and transdisciplinary studies in IKS. Accordingly, UGC has recommended guidelines for educational institutions to enhance capabilities to integrate scholarship on traditional Indian Knowledge Systems with the existing educational research, pedagogy, and training. The Council of Architecture is keen to develop professional capacities for cognition, research, and advancement of the traditional knowledge in domains of architecture and town planning, and considers education as a significant driver towards the achievement of the objective. Accordingly, the COA-TRC has been very supportive to organize a Faculty Development Program (FDP) on the subject in view of its significance and is advising and working closely with Chandigarh University to support the event.

## Objective

The intent of the FDP is to:

- Impart the faculty teaching Architecture and town planning a comprehensive orientation to the framework of Indian Knowledge Systems, so as to comprehend the traditional architectural and town planning practices as a manifest of the deep knowledge systems.
- To appreciate the critical relevance of traditional architecture and town planning as tangible outcomes of an established body of knowledge, and recognize the need to cohere and contextualize the knowledge for advancement in its application.
- Introduce specific traditional concepts related to the Indian science of architecture.
- Contemporary techniques for developing an inventory of significant traditional buildings/ built environments for their identification as buildings/ environments for learning/ re-learning and research.
- Enable institutionalization and propagation of knowledge on the Indian Knowledge System of architecture and town planning.

Convenor

Dr. Navneet Munoth  
Hon. Director  
CoA TRC, Bhopal

Co-ordinator

Prof.(Dr) Anurag Varma  
Executive Director  
Liberal Arts and Humanities  
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Scan to Register



Registration Link:  
<https://forms.gle/3gz3r1LQGUxUuJAY6>

Scan to Register



Payment Link:  
<https://bit.ly/3lRqr1>

Online Co-ordinator

Prof. Manujit Khurana  
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**Registration Fee: For Academicians/Professionals/PG and Ph.D. students- INR 1500/- (Only 35 Seats) For Non-Architects - INR 3000/- (Only 05 Seats)**

Kindly check and confirm the seat availability first then make the payment.

To confirm your registration, kindly email a scanned image of the proof of payment to [coatr.c.bhopal@gmail.com](mailto:coatr.c.bhopal@gmail.com). Upon successful registration, virtual meeting link will be shared with you via email. E-certificates for the FDP will be sent to participants on their registered email ID upon successful completion of the program.

To be eligible for the certificate, participants must attend all sessions and complete the MCQ test on the last day. The MCQ test will be held at 4:30 PM.

# EXEGESIS OF ITKS IN ARCHITECTURE & PLANNING

Session-01

March 20th, 2023



Prof.(Dr.) Joy Sen

## Institutionalization, and capacity building for integration of IKS in Architecture & Town Planning with teaching-learning and pedagogy

*Dr. Joy Sen is a Professor of the Department of Architecture and Regional Planning, Indian Institute of Technology, Kharagpur, West Bengal, India and Former Head (June 2017 – July 2020). He has a long working experience with the various Environmental Design programs under DFID Government of the United Kingdom (1995–96) and ISU–UNDP program (1987–89) and IR3S (2011–12) in the University of Tokyo, Japan.*

Session-02

March 20th, 2023

## Situating built heritage as expression/ manifestation of traditional knowledge systems in India



Sh Pankaj Saxena

*Co-founder and Director at Bhbat, Pankaj is an author on Hindu temples, arts, literature, history and culture. His writing explains the beauty of Sanatana Dharma through stories about traditions, communities and culture. He has a deep interest in cultural anthropology, evolutionary biology and ecology, and has visited more than 1200 Hindu temples.*



Sh. Raghav Krishna

*FOUNDER AND CEO Bhbat, 21 yrs spanning game development, learning and entrepreneurship. Expertise in leading cross-functional creative product development teams, learning design and org culture. He was the co-founder and Assoc Dean academics at Rashtram school of public leadership.*

## Contexts, characteristics, and conversations on Indian Knowledge Traditions of Architecture & Town Planning



Prof (Dr.) P. S. Harimohan Pillai

Session-03

March 21st, 2023

*Dr. Harimohan Pillai, Architect, Author, Alumni of IIT Kharagpur, Dr Pillai has a great interest in the traditional forms of architecture. After his retirement, now Pillai runs Archi eStudio where students are given the training to become a designer.*

# CHARACTERISTICS OF INDIAN TRADITIONAL KNOWLEDGE SYSTEMS OF ARCHITECTURE AND TOWN PLANNING

Session-04, 05

March 21st, 2023

## Landscape Architecture, Sacred Sites and Cosmic Geometry: Examples of the Indian Knowledge System

### An introduction to Vaastu: Indian science of Architecture



Prof.(Dr.) Rana P.B. Singh

*Former Professor of Geography [spel. Cultural Landscapes & Heritage Studies], & Head-Geography- Inst. of Sc., Banaras Hindu University, Varanasi. Chief Coordinator- ICOMOS India, National Scientific Committee (NSC) on 'Cultural Landscapes' Member*



Ms Sashikala Ananth

*Ms Sashikala has researched the classical Indian science of Architecture – Vaastu, for over thirty years. Her books on Vaastu include The Indian Tradition of Design Based on Vaastu Shastra; The Penguin Guide to Vaastu (Penguin India), and Vaastu: A Path to Harmonious Living (Roli Books).*

## Characteristics of sacred architecture of India Knowledge of traditional water management systems in India



Dr Vishakha Kawathekar

*Dr Vishakha Kawathekar is a conservation architect. She has worked as Principle Investigator for many collaborative institutional projects including Heritage Impact Assessment for the Khajuraho World Heritage Site, Tentative-listing document for proposed World Heritage Site in Natural Category of Chambal Rivers and Ravines and Ashapuri Temple Project.*



Prof. (Dr) Mansee Bal Bhargava

*Dr. Mansee Bal Bhargava is an entrepreneur and educator. He research work includes the governance and sustainability of social-ecological systems like urban lakes. She has designed a number of courses, through which she promotes research as crucial to the sustainable growth of a society.*

## IDENTIFYING & DOCUMENTING PROCESSES AND TANGIBLE BUILT HERITAGE MANIFESTING IKS

Discovering, identifying, inventorying and grading of built heritage  
Advanced contemporary tools and techniques for documentation of tangible cultural heritage



Mr Divay Gupta

*Divay Gupta, is conservation architect, with more than 25 years of professional and academic experience. He has lead several heritage projects and initiatives at building and urban level in India. His restoration projects in Ladakh have also won the SA UNESCO awards of Merit & Excellence.*



Prof. (Dr.) Kailasa Rao M

*A trained architect and architectural heritage conservation professional. Currently teaching as Professor and Dean, School of Planning and Architecture Vijayawada, and working on Architectural conservation, computational knowledge systems of temple builders and parametric design applications in architecture.*

## INSTITUTIONALIZING KNOWLEDGE MANAGEMENT OF ITKS IN ARCHITECTURE AND PLANNING

Education, research and outreach of the Indian Knowledge Systems  
Conclusion and way forward to Indian Knowledge Systems



Dr Shikha Jain

*Dr Shikha Jain has led more than 50 conservation and museum planning projects across India and received HUDCO awards for 2 projects which are also documented as Best Practice projects by the Ministry of Urban Development. She has authored/ edited books Havelis: A Living Tradition of Rajasthan (Shubhi Publications, 2004), Princely Terrain: Amber, Jaipur and Shekhawati (Shubhi Publications, 2004), Stone Crafts of Rajasthan (CDOS, Government of Rajasthan, 2010) and Haryana: Cultural Heritage supported by INTACH and ASI (Aryan Publications, 2012).*



Prof (Dr) Anurag Varma

*Executive Director of the Liberal Arts and Humanities cluster at Chandigarh University and Principal Architect in a self-owned design and planning consulting firm. His expertise includes spatial planning, urbanism, heritage conservation and architecture design of buildings.*