

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

School of Planning and Architecture, Vijayawada (SPAV) was established in 2008 by the Ministry of Human Resource Development (MHRD), Ministry of Education (MoE), Government of India, as an autonomous institution. SPAV is a premier Centrally Funded Technical Institution (CFTI) for excellence in the fields of Planning and Architecture.

SPA Vijayawada, designated as an Institute of National Importance by the Ministry of Education, Government of India, specializes in Planning and Architecture education.

Renowned for its academic excellence, it offers a wide range of Undergraduate, Postgraduate, and Doctoral Programs in these fields, emphasizing rigorous research.

Recognized as one of the country's premier technical institutions. The campus boasts green credentials and top-notch facilities, including modern infrastructure, hostels, libraries, laboratories, and sports amenities, fostering a conducive environment for innovation and scholarly pursuits among faculty and students.

Target Audience:

Urban Planners & Practitioners, Civil Engineers, Research Scholars, Urban Designers, Policymakers, Academicians, and Students.

EXPERT SPEAKERS



Prof. ERIC LECLERC

Professor of Geography
University of Lille, France



RAVI KUMAR REDDY K

Lifecrypt- Practicing Planner
Hyderabad



One-day International Workshop

on

URBAN COMPLEXITY AND DIGITAL TWINS FOR INCLUSIVE PLANNING

 26th Mar 2026

Venue: Exhibition Hall, Ground Floor, SPAV

COORDINATORS

Prof Dr. Adinarayanane R

Professor and Head,
Department of Planning

Prof. Dr. Ayon Kumar

Professor and Head of ACUPCB,
Department of Planning

Prof Dr. Ramesh Srikonda

Director, School of Planning &
Architecture, Vijayawada



About Workshop

This workshop provides a detailed introduction to a significant evolution in urban modelling by focusing on the transition from Urban Digital Twins (UDT) to Social Digital Twins (SDT). The workshop highlights social media analytics as the essential data bridge for this transition. By integrating real-time human input from social platforms, planners can transform static 3D models into interactive "places" that reflect the actual experiences of citizens. By leveraging human experience data, the workshop suggests that urban planning can become a more inclusive process, allowing for the simulation of policy impacts on society before they are implemented.

Traditional Urban Models treat the city as a collection of structures, **Social Digital Twins** treat it as a collection of interactive "places" defined by the people who live in them

The Shift from UDT to SDT

Urban Digital Twins (UDT): Focus on physical assets, infrastructure monitoring, and energy management, often resulting in tech-centric models.

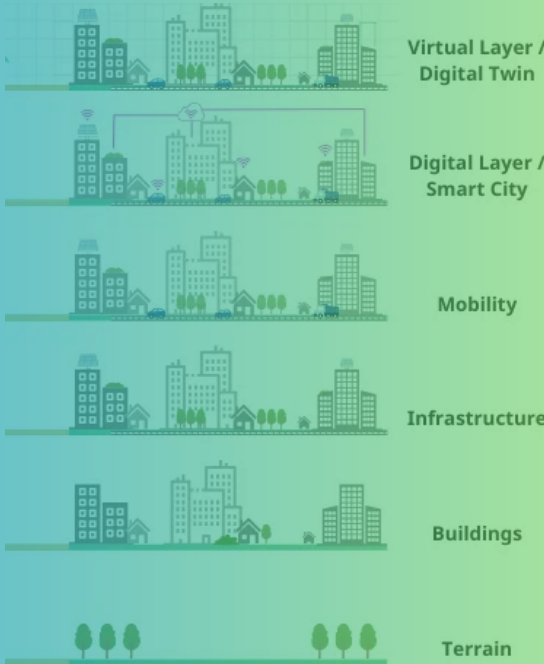
Social Digital Twins (SDT): Integrate social dimensions by blending physical infrastructure data with human behavioral, environmental, and institutional data.

The "Social Turn": This transition requires blending technical expertise with sociology, anthropology, and urban planning to create a "single fabric" representing both the physical and social environments.

By leveraging social media analytics to incorporate human experience, cities can move from just monitoring infrastructure to nurturing communities, transforming urban planning into a more inclusive and human-centric process.

Workshop Structure

- Evolution from Infrastructure to Humanity
- Social media as a Critical Bridge
- The "Social Turn" in Planning
- Focus on Inclusive and Human-Centric Outcomes
- Social Digital Twins (SDTs)
- Urban Digital Twins (UDTs)
- The Shift from UDT to SDT



ORGANISERS

Dr. Valliappan AL

Assistant Professor
SPA Vijayawada

Mr. Sandeep P

Assistant Professor
SPA, Vijayawada

Workshop Schedule

10.00AM to 10.45AM- Inauguration

- 10:00 AM - 10:05 AM- Lighting the Lamp
- 10:05 AM - 10:15 AM- Welcome Address by HoD- Planning
- 10:15 AM - 10:20 AM- Address by Head, ACUPCB
- 10:20 AM - 10:30 AM- Inaugural Address by Director, Prof. Dr. Ramesh Srikonda
- 10:30 AM - 10:40AM- Address by Guest Speaker
- 10:40 AM - 10:45 AM- Felicitation

TEA BREAK (10:45 AM-11:00 AM)

11.00 AM-11.45 AM- Session 01-
Expert: Prof. Eric Leclerc, University of Lille, France
"TRANSITIONING FROM URBAN TO SOCIAL DIGITAL TWINS THROUGH SOCIAL MEDIA ANALYTICS"
 11.45 AM-12.00 PM- Interactive Session

12:00 PM-12:45 PM- Session 02-
Expert: Ravi Kumar Reddy K
"URBAN DIGITAL TWINS FOR INCLUSIVE PLANNING"
 12.45 AM-01.00 PM- Interactive Session

LUNCH BREAK (01:00 PM-02:00 PM)

PANEL REVIEW OF STUDIO WORKS
 02:00 PM-03:00 PM- MURP- 1 Year PG Planning
Students Presentation on "PREPERATION OF COMPREHENSIVE DEVELOPMENT PLAN, SHIVAMOGGA 2047"
 03:00 PM-04:00 PM- MEPM- 1 Year PG Planning
Students Presentation on "PREPERATION OF CLIMATE-CENTRIC DEVELOPMENT PLAN FOR KODAIKANAL LOCAL PLANNING AREA (LPA) 2047"

- 04:00 PM-04:20 PM- Panel Discussion
- 04:20 PM-04:40 PM- Valedictory Session
- 04:40 PM-05:00 PM- Vote of Thanks