



Day 01

- Fundamentals of Remote Sensing and GIS: Concepts, Principles, and Applications
- Satellite based Remote Sensing – Image Procurement and Resolutions
- Drone-Based Remote Sensing: Urban Management Applications
- Hands-On training: Remote Sensing exercises



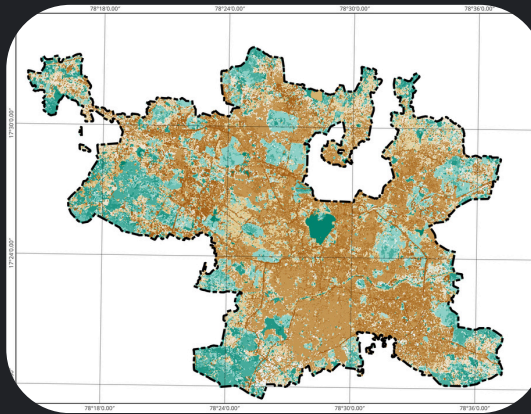
Day 02

- GIS Data Characteristics: Understanding Structure, Accuracy, and Usability
- Base Map Preparation in Compliance with AMRUT Guidelines
- Integration Techniques: Layout Plans and Revenue Maps with Base Maps
- Hands-On training: GIS Mapping exercises



Day 03

- Building Spatial Data Infrastructure: Practices and Standards
- Editing and Publishing Geospatial Data Online
- Geospatial Techniques for Thematic assessments in Urban Environments
- Hands-On training: Advanced GIS & Remote Sensing Applications



Target Audience

The training session is designed for Planners, Government officials, Policy-makers, Researchers, Students, and Industry professionals engaged in urban development, infrastructure, environment, and resource management, highlighting the role of geospatial tools in Spatial Planning

acupcb.spav.ac.in



AMRUT Centre of Urban Planning
for Capacity Building
A-CUPCB-SPAV



An Executive Development Training

APPLICATION OF GEOSPATIAL TECHNIQUES FOR SPATIAL PLANNING

11th-13th
Dec
2025





3 Days



9 Modules



Hands-on Exercises



**24 Contact Hrs/ 1.5
Credit Equivalent**

Registration Details:

For Registration, Fee and Detailed
programme, visit:

[https://acupcb.spav.ac.in/capacity-
building/edp_25_02/](https://acupcb.spav.ac.in/capacity-building/edp_25_02/)

Accommodation
will be provided
on request basis



Deliverables and Outcomes

Training modules, hands-on GIS/remote sensing exercises, case studies, datasets for practice, and learning materials.

Enhanced skills in geospatial analysis, ability to apply GIS tools for spatial planning, improved decision-making capacity, and readiness to integrate geospatial techniques in real-world projects.

Coordinated by

Asst. Prof. Dr. Valliappan A L
(Principal Instructor)

Assoc. Prof. Dr. Prasanth Vardhan P
(Principal Co-Instructor)

Jaldi Anitha
(Co-Instructor)

Patrons

Prof. Dr. Ramesh Srikonda
(Director, SPA Vijayawada)

Prof. Dr. Ayon Kumar Tarafdar
(Head, A-CUPCB-SPAV)

Contact Us



+91-8688898114



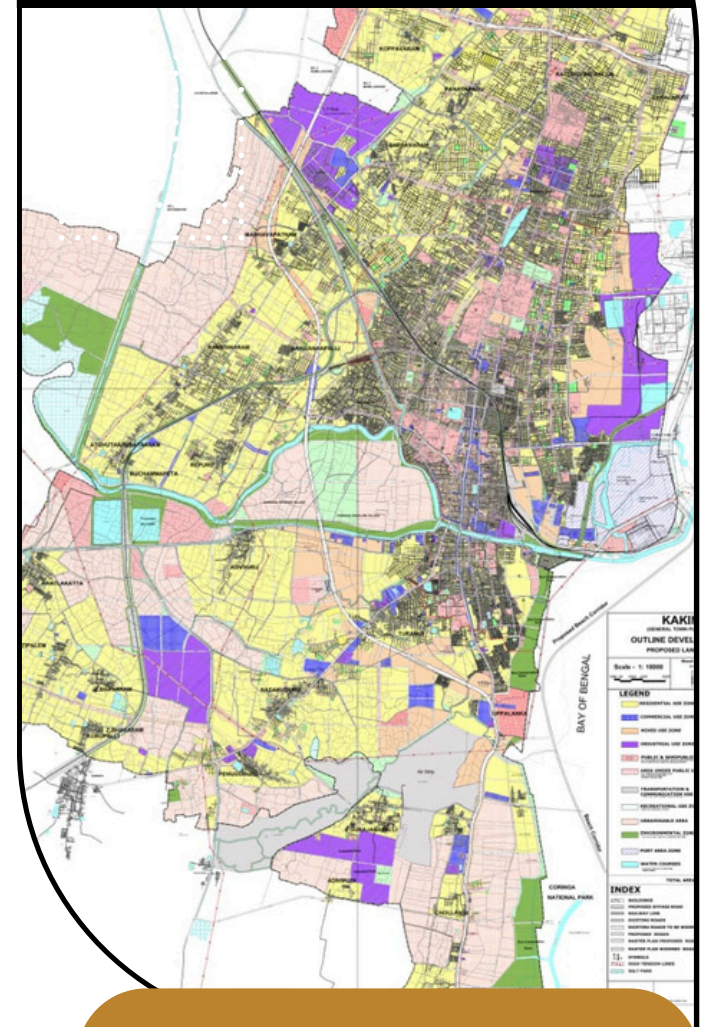
jaldianitha@spav.ac.in



[https://acupcb.spav.ac.in/cap-
acity-building/edp_25_02/](https://acupcb.spav.ac.in/capacity-building/edp_25_02/)



School of Planning and
Architecture, Vijayawada



Purpose of the Program

The purpose of the program is to equip participants with knowledge and practical skills in applying geospatial techniques for effective spatial planning. It aims to demonstrate how tools like GIS, remote sensing, and spatial analysis can support evidence-based decision-making in urban development, land-use management, infrastructure planning, and environmental sustainability.



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education, Govt. of India



acupcb.spav.ac.in