

PROGRAM OVERVIEW

- **04 Days**
- **09 Modules**
- **Hands-on Tutorials**
- **32 Contact Hours**
- **10 Expert Presentations**
- **Live Case Study**
- **2 Credits Equivalent**

REGISTRATION DETAILS

For Registration, Fee and Detailed Programme:

Visit:

https://acupcb.spav.ac.in/edp_26_02.php

Accommodation will be provided on a request basis.

Registration Deadline:

5th September, 2026, 05:00 pm

Register here:



EDP TEAM MEMBERS

Asst. Prof. Karthik Chadalavada
(Principal Instructor)

Prof. Dr. Janmejy Gupta
(Principal Co-Instructor)

Prof. Dr. Ramesh Srikonda
(Principal Co-Instructor)

PATRONS

Prof. Dr. Ramesh Srikonda
Director,SPAV

Prof. Dr. Ayon K Tarafdar
Head, A - CUPCB - SPAV

For further details, contact: Asst. **Prof. Karthik Chadalavada**

Phone: **+91 9642970797**
Mail :**karthik.ch@spav.ac.in**



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



An Executive Development Program
organized by A-CUPCB SPAV

**Energy-Efficient Approach
for Enhanced Urban
Sustainability
Buildings to Cities**



acupcb.spav.ac.in | EDP_26_02

7 - 10th September, 2026



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

ABOUT THE PROGRAMME

Rapid urbanization and rising energy demand have made buildings and cities major contributors to carbon emissions and environmental stress. This Executive Development Programme equips municipal officials, government functionaries, academicians, architects, and planners with knowledge of green buildings, energy-efficient practices, zoning regulations, and urban heat island mitigation.

Through hands-on ECBC/BEE compliance, energy simulation training, and a physical case study of a green-rated building, participants gain practical skills to design and manage sustainable, low-carbon, and climate-responsive built environments across India.

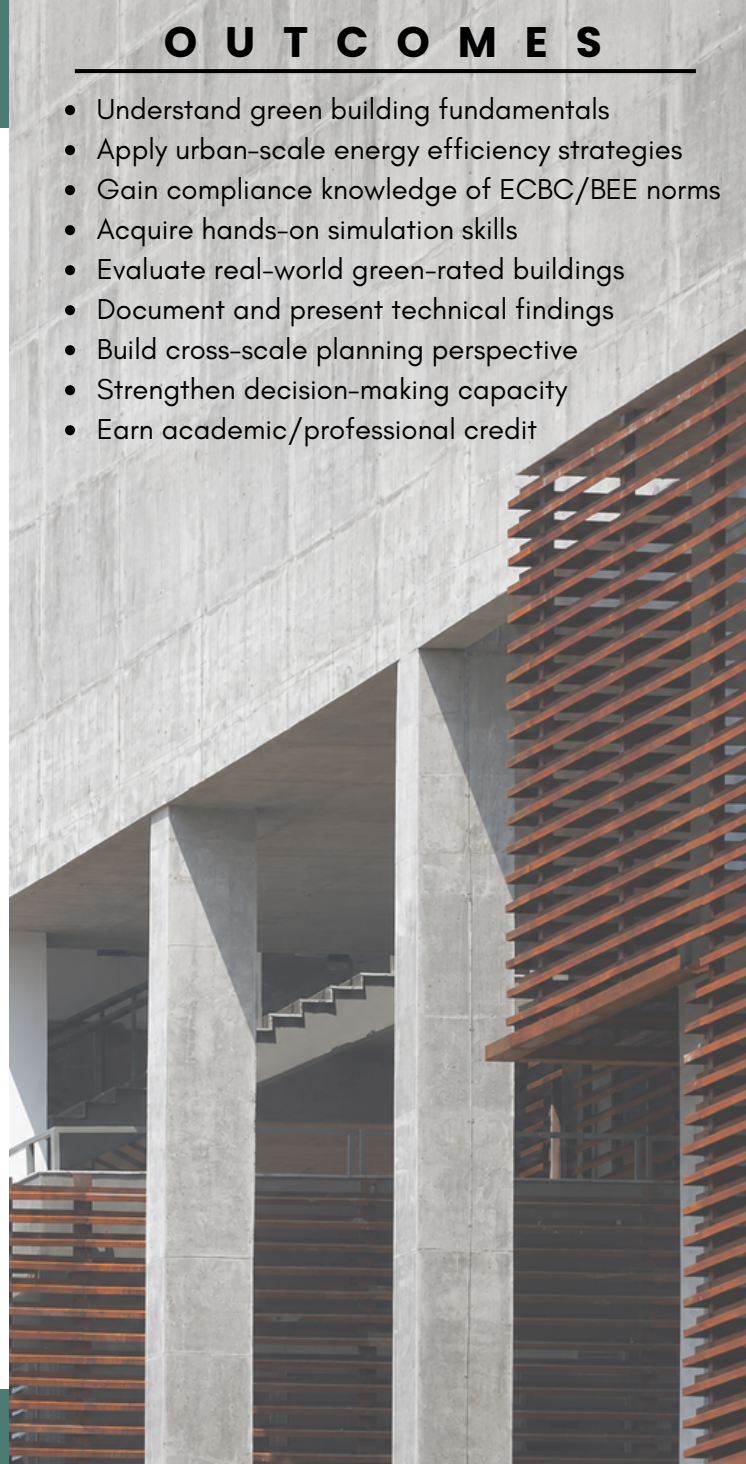
The programme develops skills in sustainable design, renewable energy, resource efficiency, and climate-responsive planning through expert sessions, case studies, and practical training, supporting low-carbon, resilient, and livable cities.

TARGET AUDIENCE

- Municipal Officials
- Government Officials
- Practicing Professionals
- Academicians
- Young Architects and Planners

OUTCOMES

- Understand green building fundamentals
- Apply urban-scale energy efficiency strategies
- Gain compliance knowledge of ECBC/BEE norms
- Acquire hands-on simulation skills
- Evaluate real-world green-rated buildings
- Document and present technical findings
- Build cross-scale planning perspective
- Strengthen decision-making capacity
- Earn academic/professional credit



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

PROGRAMME STRUCTURE

DAY 1

• MODULE 1

Introduction to Green Buildings and Sustainability

- Understanding Sustainable design: Climate, resilience and sustainability.
- Green materials: Rating systems, LCA and material selection.

• MODULE 2

Energy Efficient Practices at Building Level

- Energy Efficiency: Thermal performance, ECSBC & Energy modelling.
- Sustainable Practices: Materials and neighbourhoods..

DAY 2

• MODULE 3

Zoning regulation for enhanced energy efficiency : A case-study of mid-sized Indian city

- Urban Energy Efficiency: Energy use, urban practices, and case studies.
- Energy & Urban Form: Built form, land use, climate, and energy demand.

• MODULE 4

Urban heat island mitigation: A case of an Indian metropolis

- Urban Climate & Modelling: Climate, thermal comfort, energy models, data, and simulation tools.
- Case Study: Cooling strategies for Hyderabad.

DAY 3

• MODULE 5

Overview of BEE & ECBC Compliance

- Overview of Bureau of Energy Efficiency (BEE) initiatives and national energy efficiency targets
- Introduction to ECBC compliance pathways

• MODULE 6 & 7

Hands-on Training on Energy Simulation

- Overview of simulation tools used in ECBC compliance
- Development of a simple building energy model using standard building parameters

DAY 4

• MODULE 8

Physical Case-Study of Green Rated Building

- Overview of Bureau of Energy Efficiency (BEE) initiatives and national energy efficiency targets
- Introduction to ECBC compliance pathways

• MODULE 9

Case-study Documentation, Analysis & Assignments

- Q & A, Discussion and Clarification session
- Conclusion session/Closing remarks