



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

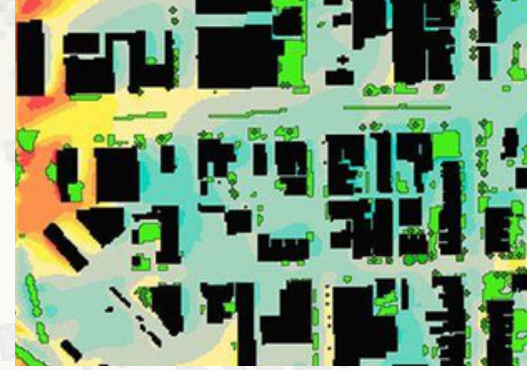


CAPACITY-BUILDING PROGRAMME

CLIMATE RESILIENCE THROUGH SIMULATION OF URBAN ENVIRONMENTS

HANDS-ON TRAINING OF TOOLS AND TECHNIQUES

Rapid urbanization and climate change make urban planning increasingly complex, necessitating critical evaluation of design solutions at various scales. Urban simulation models like ENVI-met facilitate the assessment of climate-adaptive strategies through 3D microclimate modeling, analyzing solar effects, green infrastructure, wind flow, thermal comfort, and pollutant dispersion. Hands-on training with ENVI-met equips architects and planners to design sustainable, climate-resilient urban environments, supporting Sustainable Development Goal 11.



17th to 21st FEBRUARY 2025

WHO CAN ATTEND : Faculty members and research scholars from architecture, planning, engineering, geography and allied fields, participants from private/ government organizations, practicing architects and planners.

17th
FEB

Session 01:

Introduction, Overview of ENVI-met, Basic concepts and usage

Session 02:

Exploring ENVI-Headquarters Hands-on sessions

18th
FEB

Session 03:

ENVI-met spaces and ENVI-met guide

Session 04:

Digitization of blocks and Creating environments and work spaces - Hands-on sessions

19th
FEB

Session 05:

Database manager tools, Albero, Monde, Project Manager

Session 06:

Field measurements & validation

20th
FEB

Session 07:

Running Simulation with small blocks and vegetation

Session 08:

Visualization with Leonardo and Bio-met

21st
FEB

Session 09:

Results and data extrapolation, troubleshooting

Session 10:

Presentation by Participants & Discussion

Co-ordinators

Dr. Lilly Rose A

Principal Trainer
Associate Prof., Dept of Architecture
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Dr. Shanmuga Priya G

Principal Co-Trainer
Associate Prof., Dept of Architecture
SPA Vijayawada

Ar. Deepthi Varghese

Trainer
Assistant Prof., Dept of Architecture
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Patrons

Prof. Dr. Ramesh Srikonda

Director, SPA Vijayawada

Prof. Dr. Ayon K Tarafdar

Head, A-CUPCB - SPAV

REGISTRATION OPEN

For Registration, Fees and Detailed programme:

https://acupcb.spav.ac.in/capacity-building/cbp_24_02/#

Accommodation for Participants will be provided on request basis

Registration Deadline : 12th February, 2025

SCAN TO REGISTER



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