

ACUPCB-SPAV

AMRUT Centre of Urban Planning for Capacity Building at SPA Vijayawada

Atal Mission for Rejuvenation and Urban Transformation

सत्यमेव जयते
Ministry of Housing and Urban Affairs
Govt. of India

School of Planning and Architecture Vijayawada
Ministry of Education, Govt. of India

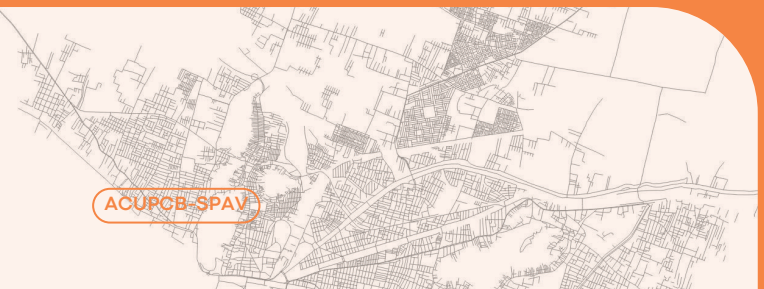
About

AMRUT Centre of Urban Planning for Capacity Building (**ACUPCB-SPAV**)

The AMRUT Division of Ministry of Housing and Urban Affairs (MoHUA, Government of India) has recognised SPA Vijayawada as one of the few centres in the country, that shall undertake top-notch, cutting-edge research, projects, and training in the field of urban planning and climate sensitive development.

SPA Vijayawada (Under Ministry of Education, Government of India) has set up of the "AMRUT Centre of Urban Planning for Capacity Building" at SPA Vijayawada (ACUPCB-SPAV). The ACUPCB-SPAV is a hallmark of SPAV's capability, resources and potential in leading the path of research and advocacy in the domain of Urban Planning in India.

The Centre has initiated cutting edge research and skill development in the field of Urban Planning and Settlement Design. It has already initiated several research projects, advocacy, and trainings programmes in close coordination with urban local bodies and think tanks in India and is in the process of expanding its outreach in data driven applications and solutions for urban planning and climate sensitive design.



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Messages

Smt. D. Thara IAS

Addl. Secretary
MoHUA, Govt of India



"The idea of bringing the academic fraternity close to the on-ground practitioners and planning professionals cannot get a better shape of reality, other than with the novel initiative to start the 06 AMRUT Centres of Urban Planning for Capacity Building in our country. SPA Vijayawada is one of these few Centres that has been established to serve as a beacon of change in bringing applied research on ground. The vast volumes of innovative research going on in our academic institutions, if channelised towards the contemporary needs and issues of our cities, can bring out affordable, replicable and sustainable strategies ready to be implemented in by our ULBs and UDAs. The working professionals in the domain of urban development and planning can join hands with the academia to understand about the latest techniques evolving in the planning research domain, and get upskilled in a manner that is beneficial to their daily working outputs.

This small yet largely significant step of establishing the ACUPCB-SPAV in the journey of SPA Vijayawada can be a turning point in its path to being one of the most grassroots driven, evidence based and scientifically inherent institutions in the field of Planning. ACUPCB-SPAV with a theme of working closely in the domain of Climate Sensitive Urban Development holds the potential of leveraging the best in the region."

Smt. Isha Kalia IAS

Joint Secretary, MoHUA, Govt of India



"AMRUT 2.0 is catalysing the transformation of Indian cities at a rapid pace by focusing on creation of sustainable infrastructure, improved service delivery, and resilient urban systems. In order to integrate the strengths of academia, practice and industry , SPA Vijayawada has been rightfully identified as one of the designated AMRUT Centres of Urban Planning for Capacity Building and it is playing a vital role in this journey. Through research, training, and advocacy, the ACUPCB-SPAV strives to contribute valuable application-oriented solutions for ULBs in the domain of climate sensitive urban development."

Prof. Dr. Ramesh Srikonda

Director, SPA Vijayawada

Overall Coordinator, ACUPCB–SPAV



"The ACUPCB-SPAV is deeply dedicated to advancing sustainable, inclusive, and climate sensitive urban development. We have started providing a platform for high-quality application oriented research, professional capacity building, and policy level advocacy to local governments and stakeholder. Our initiatives are designed to equip ULBs, planners and institutions with innovative tools and evidence - basedon-site strategies. Together, we aspire to foster vibrant, livable, and future-ready urban communities."

Prof. Dr. Ayon Kumar Tarafdar

Head, ACUPCB–SPAV



"ACUPCB-SPAV is committed to explore climate sensitive planning models that solve contemporary urban challenges. Our motto remains to be driven towards delivering high end planning strategies, that are evidence driven, computational, and human centric. Our research, capacity building and advocacy activities are designed to make a difference right from the grassroots to think tanks."

About **SPAV**

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

The School of Planning & Architecture, Vijayawada (SPAV) is an Institution of National Importance under the Ministry of Education, Govt. of India. It offers UG, PG, and doctoral programs in Planning and Architecture and is ranked among the top technical institutes in India. SPAV fosters quality research, innovation, and critical thinking in architectural and planning education. Its green-rated campus features state-of-the-art infrastructure, including modern labs, ICT-enabled learning, and recreational facilities. As on 2025, the school has 17+ years of excellence in professional education, offering courses in B.Arch. (5 years), B. Plan (4 years), and 09 specialised Master's full-time 2-years programs, and doctoral studies, thereby advancing knowledge in urban and regional development. With a strong focus on advanced computing and latest technologies, SPAV continues to lead in architectural and planning education.

https://www.spav.ac.in/

About **MoHUA**

The Ministry of Housing and Urban Affairs (MoHUA) is India's apex body for urban development, influencing policies through funding, coordination, and national programs. Established in 1952 as the Ministry of Works, Housing & Supply, it became MoHUA in 2006. The ministry supports urban projects via Centrally Sponsored Schemes and financial institutions, shaping urbanization and real estate investment. A key initiative, AMRUT, enhances urban infrastructure by ensuring tap water, sewerage, green spaces, and sustainable transport in 500 cities. Through policies and programs, MoHUA drives sustainable urban growth, improving quality of life and fostering climate resilience across India.

A key initiative of MoHUA is the AMRUT (Atal Mission for Rejuvenation and Urban Transformation), which enhances urban infrastructure by ensuring water, sewerage, green spaces, and sustainable transport in 500+ cities throughout India. Through policies and programs, MoHUA drives sustainable urban growth, improving quality of life and fostering climate resilience across India.

https://mohua.gov.in

सत्यमेव जयते
Ministry of Housing and Urban Affairs
Govt. of India

अमृत
Atal Mission for Rejuvenation and Urban Transformation

Theme

Climate Resilient Urban Planning and Design: A Focus on Coastal Vulnerability

Functions of ACUPCB-SPAV

A combination of four mandates of the ACUPCB leverages it to become not only a unique platform to empower and enable the local bodies and communities, but also serve as a one-point nodal center to provide advocacy, research innovations and advice related to urban planning and design. Four main functions / activities of the ACUPCB are:

1. **Research Projects**
2. **Capacity Building**
3. **Spatial Data Infrastructure**
4. **Industry and Government Advocacy**



Infrastructure & Resources

Dedicated Laboratories

- 13 specialized laboratories that support Urban Planning, Architecture, Environmental Studies, Transportation, and Geospatial applications.
- High-speed connectivity enables advanced research and collaborative projects.
- Specialized facilities that support microclimate, environmental, and transportation planning analyses.

1. **GIS Lab**
2. **Environmental Lab**
3. **Climatology/Energy/Acoustic Lab**
4. **Transportation Lab**
5. **Survey Lab**
6. **Landscape Lab**
7. **Central Computer Lab**
8. **Art Lab**
9. **Model Making and Carpentry**
10. **Conservation Lab**
11. **Material and Construction Lab**
12. **Structures/Material Testing Lab**
13. **Construction Yard**



Environmental Lab



GIS Lab



Transportation Lab



ACUPCB-SPAV undertakes research projects that contribute to knowledge creation, innovative methodologies, and computational frameworks within the domain of climate sensitive urban planning. These research projects are designed to be contextually embedded within urban local bodies and benefit them.

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php



Research Projects

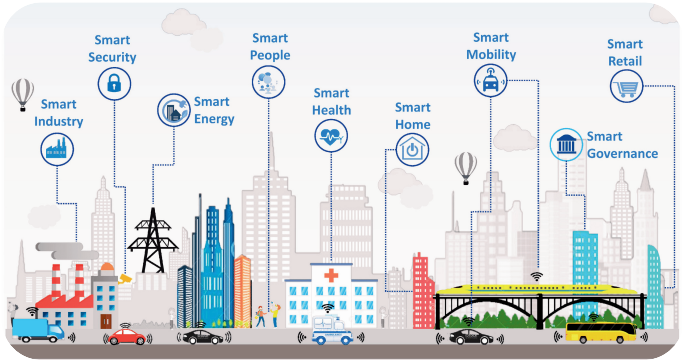
Research Projects

City-Specific Applied Research (CAR)

CAR category projects focus on macro-scale urban challenges, emphasizing solution-oriented research tailored to the needs of urban local bodies (ULBs). Two such projects are undertaken annually, each addressing a specific urban issue, challenge, or potential, culminating in scientifically validated, implementable solutions. CAR projects are executed by a core faculty team (minimum three members) and require higher financial allocations and deeper computational acumen.

Targeted Urban Research (TUR)

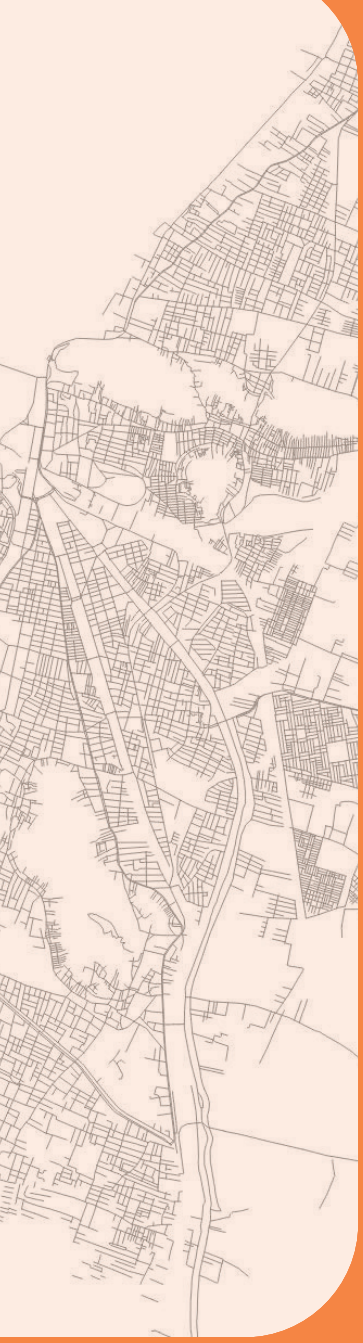
TUR projects focus on sub-city scale inquiries of smaller spatial extent, conducting in-depth diagnostic research to identify causal factors and implications of urban issues. The findings contribute to evidence-based strategy formulation, guiding ULBs in structural design based measures on ground, assisting in master planning, and operational strategies. Annually, three such projects are undertaken, and led by a two-member faculty team.



Local Dissemination Workshop

A Local Dissemination Workshop serves as a platform to disseminate the findings and recommendations of research and advocacy projects, facilitate stakeholder consultations, gather feedback and suggestions, and incorporate relevant inputs into the final project report for improved quality and applicability.

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php



ONGOING PROJECTS 2026

Code	Project Title	Duration
TUR_25_01	Preparation of Local Area Plan (LAP) incorporating Transit Oriented Development (TOD) for two stations of Hyderabad Metro Rail	02.12.2025 to 31.08.2026
TUR_26_01	Operationalising Urban Blue-Green Infrastructure As A Decision - Support and Investment Planning Tool for Climate-Resilience in Thiruvananthapuram, Kerala	20.07.2026 to 19.01.2027
TUR_26_02	Heritage & Ecology - Led Public Realm and Urban Attractiveness Towards Local Area Planning in Visakhapatnam	20.07.2026 to 19.01.2027
CAR_26_01	Leveraging A Stepwell - Based Blue Green Infrastructure Framework for Mitigation of Heat and Water Based Risk in Vijayapura, Karnataka	20.07.2026 to 19.03.2027

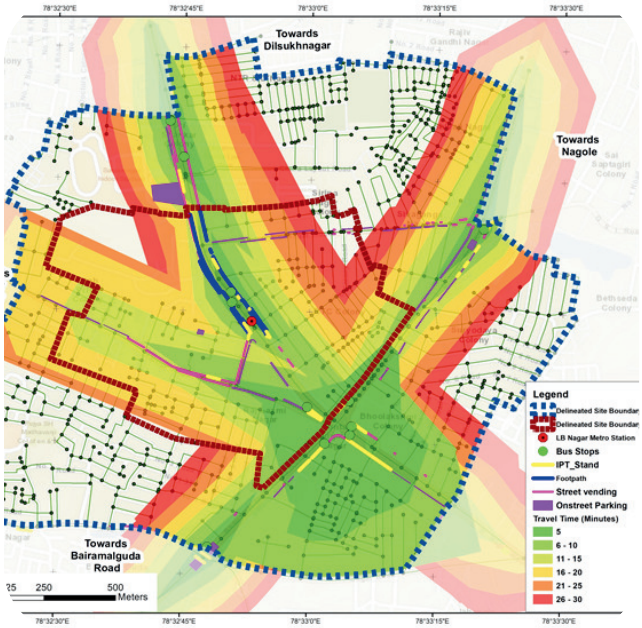
To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

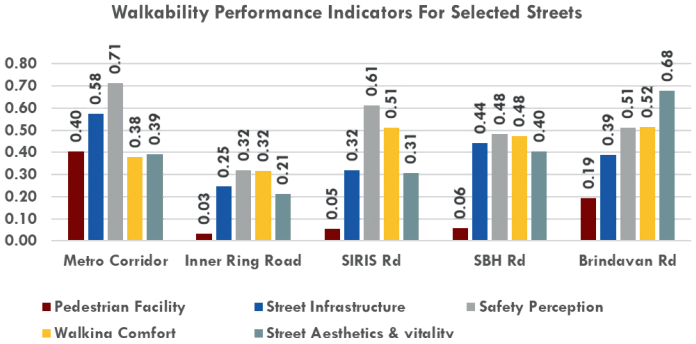
Ongoing Projects

TUR_25_01: Preparation of Local Area Plan (LAP) incorporating Transit Oriented Development (TOD) for two stations of Hyderabad Metro Rail

Principal Investigator : Dr. Adinarayanane R

This project focuses on preparing Local Area Plans (LAPs) with a Transit-Oriented Development (TOD) approach for selected Hyderabad Metro stations, namely L B Nagar and S R Nagar. It aims to translate broader master plan and TOD policy directions into implementable, station-level interventions within a 500 m influence zone. It assesses existing land use, mobility, built form, infrastructure, and socioeconomic conditions.











The project promotes compact, mixed-use, transit-oriented development through improved pedestrian and NMT infrastructure, mobility strategies, and implementation guidelines.

Outcome: TOD-based LAPs for sustainable station-area development.

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

TUR_26_01:

Operationalising Urban Blue–Green Infrastructure As A Decision – Support and Investment Planning Tool for Climate–Resilience in Thiruvananthapuram, Kerala

Principal Investigator : Mr.Rajeev R

This project develops a Blue-Green Infrastructure (BGI) Investment Tool to transform planned urban green spaces into climate-resilient assets.

Piloted in Thiruvananthapuram, it identifies priority intervention areas, evaluates ecosystem services, prepares costed BGI design solutions, and provides financing strategies to support ULBs in implementing sustainable, climate-responsive infrastructure.



TUR_26_02:

Heritage & Ecology – Led Public Realm and Urban Attractiveness Towards Local Area Planning in Visakhapatnam

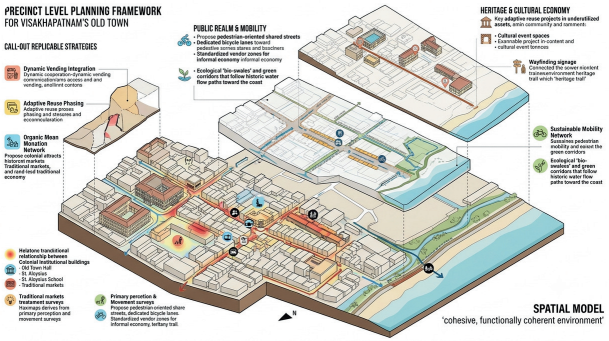
Principal Investigator : Mr.Madhava Rao Talabathula

This project develops an integrated heritage precinct planning framework for Visakhapatnam's Old Town by combining mobility, public realm, cultural economy, and heritage conservation.





It proposes pedestrian-oriented, tourism-supportive, and adaptive reuse strategies to revitalize heritage assets through phased, implementable interventions for Urban Local Bodies.



Ongoing Projects

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

Ongoing Projects

CAR_26_01: Leveraging A Stepwell – Based Blue Green Infrastructure Framework for Mitigation of Heat and Water Based Risk in Vijayapura Karnataka

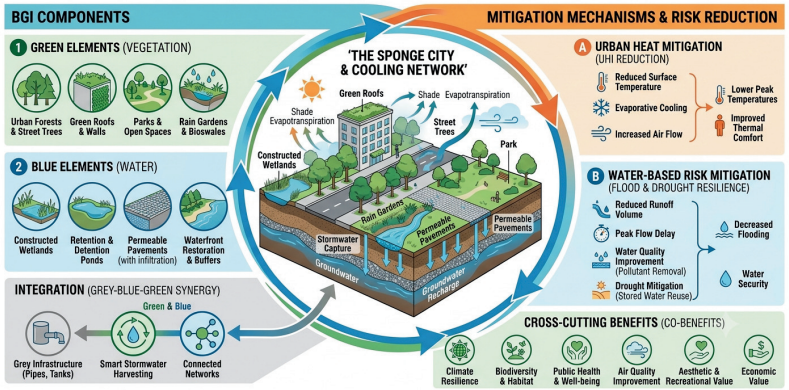
Principal Investigator : Dr. Anurag Bagade

This project integrates Vijayapura's traditional stepwells with Blue-Green Infrastructure (BGI) to strengthen climate resilience against heat, water scarcity, and flooding.





Through geospatial mapping, field surveys, and simulation models, it develops a scalable, evidence-based Multi-Hazard Climate Adaptation Plan, combining heritage water systems with contemporary urban planning for sustainable, resilient cities.



Integrating traditional stepwells with BGI facilitates:

- Stepwell-Based Climate Adaptation
- Urban Heat and Water Risk Mitigation
- Multi-Hazard Urban Resilience
- Microclimate Simulation

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

CAR_24_01:

Development of Low Emission Zone (LEZ) in Old Core City Areas. A Case of Vijayawada City

Principal Investigator : Dr.Naina Gupta

Project Completion : February 28, 2026

This research project aims to establish a Low Emission Zone (LEZ) in Vijayawada's old core to reduce vehicular pollution and support clean air initiatives. It involves identifying high-emission hotspots, restricting polluting vehicles, and promoting active mobility. Using computational tools that deal with transport planning, air pollution and GIS, the research study will define LEZ boundaries, operational criteria, and a phased implementation strategy with stakeholder engagement.





Outcome: A LEZ framework for Indian cities.

Local Dissemination Workshop

A dissemination workshop was conducted on 19 December 2025 at the VMC Meeting Hall, Vijayawada, with around 30 participants from VMC, APCRDA, and the SPAV project team, during which the proposed Low Emission Zone (LEZ) framework was presented and stakeholder feedback was received to validate recommendations for its phased implementation in Vijayawada.









Completed Projects

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

Completed Projects

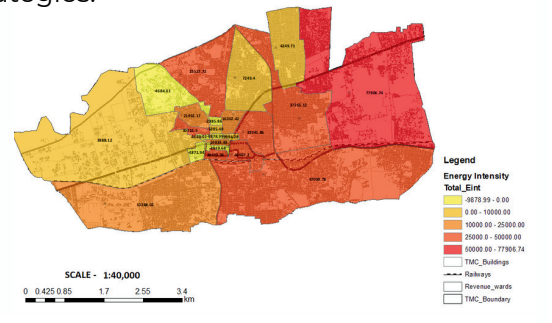
CAR_24_02:

Energy Efficiency Considerations in the Zonal Regulations of a City, A Study of Tirupati

Principal Investigator : Dr. Janmejoy Gupta

Project Completion : January 31, 2026

This research project integrates energy efficiency into Tirupati's Zonal Development Control Regulations (DCRs) to mitigate Urban Heat Island (UHI) effects and optimize energy use. Using cumputational and GIS platforms, it analyses energy consumption, quantifies anthropogenic heat, and evaluates green space distribution. Key recommendations include cool roofing, green building codes, and passive design strategies.







Outcome: Modified DCRs for sustainable urban development.

Local Dissemination Workshop

A dissemination workshop was conducted on 31 October 2025 at the Kachchapi Auditorium, Tirupati, with around 200 officials, experts, and SPAV faculty, during which the research methodology, key findings, and recommendations were presented, and stakeholder feedback was received.









To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

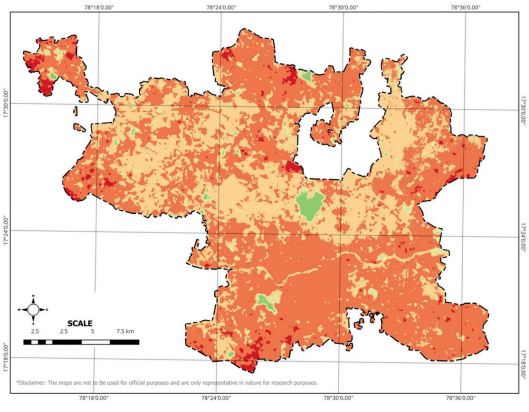
TUR_24_01:

Canopy Layer UHI Mitigation Strategies for Hotspots of Hyderabad Using Local Climate Zones (LCZs) Approach

Principal Investigator : Dr. Faiz Ahmed C

Project Completion : January 31, 2026

The project aims to mitigate Canopy Layer Urban Heat Islands (UHI) in Hyderabad using the Local Climate Zones (LCZs) approach. By mapping UHI hotspots with GIS-based NDVI, NDWI, NDBI, and LST indices for 2004 and 2024, it models temperature variations using computational and GIS platforms.







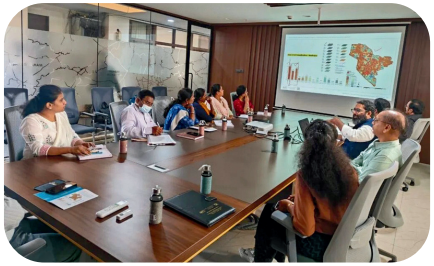
Outcome: Urban cooling strategies to mitigate heat stress

Local Dissemination Workshop

The findings of this project were disseminated through four dissemination workshops conducted at different locations, attended by officials from Government Departments and Urban Local Bodies (ULBs), as below:

- **HMDA, Hyderabad**
- **DTCP, Telangana**
- **ITPI South Zone Conference**
- **Expert Lecture – SVNIT Surat**







To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

Completed Projects

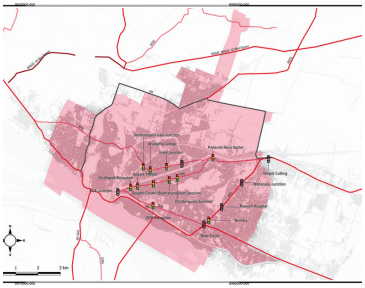
TUR_24_02:

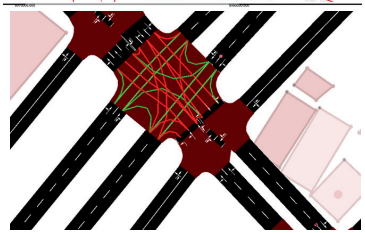
Operational Plan for VIP Vehicular Movement in Vijayawada

Principal Investigator : Dr. Naina Gupta

Project Completion : January 31, 2026

This project develops a short-term traffic management plan for VIP movement in Vijayawada, ensuring smooth transit between Gannavaram Airport, Amravati and key offices while minimizing disruptions to daily commuters. Using SUMO for traffic simulation and analysis.. The plan optimizes routes, signal phasing, and road closures in coordination with law enforcement.







Outcome: Adaptive traffic signal and synchronization for efficient mobility

Local Dissemination Workshop

A stakeholder dissemination workshop was held on 8 October 2025 at the School of Planning and Architecture, Vijayawada (SPA Vijayawada) to present simulation-based traffic management strategies, with participation from 26 officials representing the Traffic Police, APCRDA, VMC, APUFIDC, DTCP, and the SPAV community.







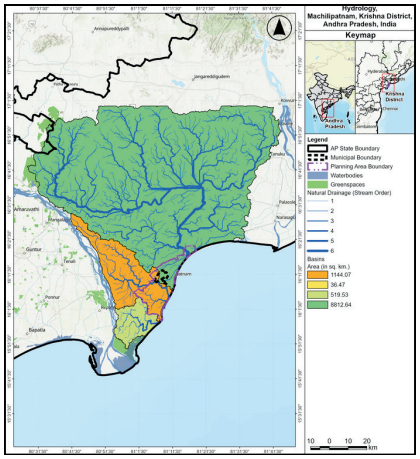


To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php

TUR_24_03: Urban Blue-Green Infrastructure (BGI) Toolkit for Enhanced Resilience Towards Urban Flooding: The Case of Machilipatnam

Principal Investigator : Dr. Shanmuga Priya G

Project Completion : January 31, 2026







This project develops a Blue-Green Infrastructure (BGI) Toolkit for Machilipatnam to enhance flood resilience through nature-based solutions. It provides urban local bodies with context-specific strategies, conceptual plans, and best practices for stormwater management, supporting sustainable urban planning, reduced flood risk, and improved environmental resilience.

Outcome: A BGI implementation guide for coastal cities.

Local Dissemination Workshop

The project findings were disseminated on 23 September 2025 through a stakeholder workshop attended by the District Collector and municipal officials, enabling consultations, validation of key findings, and refinement of suggestions based on stakeholder feedback and local requirements.







Both research streams (CAR and TUR) operate on a need-based approach, aligning with the requirements of local and national authorities. Additionally, the Centre extends its research beyond core urban areas, incorporating peri-urban contexts into its analytical frameworks.

To know more about our ongoing research projects visit - https://acupcb.spav.ac.in/projects.php





ACUPCB-SPAV focuses on capacity building for experts, organizations, and stakeholders in settlement planning and design. It offers diverse training programs for engineers, architects, bureaucrats, and development specialists, ranging from basic to advanced levels.

Training modules cover core topics at regular intervals and customized programs based on specific organizational needs. These programs aim to enhance the skills of professionals and mid-career urbanists, while remaining accessible to all knowledge seekers.

Typology of Capacity Building Products offered:
·Executive Development Programmes (EDPs) (1-4 Days)
·Capacity Building and Skill Enhancement Programs (5-7 days)

A total of ten training programmes have been successfully conducted, benefitting a large number of professionals. In addition, several new training programmes are planned for the upcoming times.

For details of the training, please visit:
https://acupcb.spav.ac.in/capacity-building.php



Climate Resilient Urban Planning and Design: A Focus on Coastal Vulnerability



Capacity Building

ACUPCB-SPAV

Training Programmes

Executive Development Programme

Executive Development Programmes (EDPs) are short-duration, intensive training programmes (1-4 days) designed for senior officials, administrators, practitioners, and decision-makers. They focus on emerging urban planning concepts, policy frameworks, governance, technology, and best practices, enabling participants to strengthen strategic decision-making, leadership skills, and evidence-based approaches for urban development.

Capacity Building Programme

Capacity Building and Skill Enhancement Programmes (CBPs) are comprehensive training programmes (5-7 days) aimed at enhancing the technical competencies and practical skills of professionals involved in urban planning and development. Through lectures, hands-on exercises, field visits, and case studies, they strengthen participants' ability to apply contemporary planning tools, methodologies, and implementation practices.



To register and to know more about the trainings, visit :
https://acupcb.spav.ac.in/capacity-building.php

EDP – Executive Development Programme

A series of six Executive Development Programmes were organized to build professional competencies through expert lectures, hands-on training, and practical applications in urban planning.

01 EDP_24_01: Project Management Techniques in Urban Planning



A three-day program on systematic urban project execution using MS Project. It covered resource optimization, risk management, and public sector efficiency, focusing on coastal resilience projects

Conducted on : 16.01.25 – 18.01.25
Total number of participants: 17
Principal Instructor : Dr. Arpan Paul Singh G

02 EDP_24_02: Coastal Resilience Planning and Management



A four-day program addressing climate risks along India's coastline. It combined hazard analysis, ecosystem conservation, and governance strategies with spatial software applications for resilience planning.

Conducted on : 22.01.25 – 25.01.25
Total number of participants : 21
Principal Instructor : Mr. Rajeev R

03 EDP_25_01 : Traffic Management and Simulation Techniques for Transport Planning



The programme enhanced participants' capacity in traffic planning, simulation, and intelligent transport systems through hands-on training in AIMSUN, PTV Vissim, and AI-based transport planning.

Conducted on 29.10.25–31.10.25
Total number of participants: 26
Principal Instructor : Dr.M.N.V.Pavan Kumar

To register and to know more about the trainings, visit - https://acupcb.spav.ac.in/capacity-building.php

EDP – Executive Development Programme

A series of six Executive Development Programmes were organized to build professional competencies through expert lectures, hands-on training, and practical applications in urban planning.

04 EDP_25_02 Application of Geospatial Techniques for Spatial Planning



The programme enhanced participants' understanding of Remote Sensing, GIS, drone mapping, and spatial analysis through hands-on training in geospatial data processing and evidence-based planning.

Conducted on : 11.12.25 – 13.12.25
Total number of participants : 15
Principal Instructor : Dr. Valliappan AL

05 EDP_25_04 Coastal Resilience Planning and Management



The programme strengthened participants' understanding of coastal resilience, hazard assessment, and climate adaptation through practical training in vulnerability analysis, resilience planning, and evidence-based decision-making.

Conducted on : 16.03.26 – 19.03.26
Total number of participants : 16
Principal Instructor : Mr. Rajeev R

06 EDP_25_05 Project Management Techniques in Urban Planning



The programme enhanced participants' project planning, scheduling, monitoring, and evaluation skills through hands-on, strengthening effective urban project management and delivery.

Conducted on : 09.02.26 – 12.02.26
Total number of participants : 17
Principal Instructor : Dr. Arpan Paul Singh G

To register and to know more about the trainings, visit - https://acupcb.spav.ac.in/capacity-building.php

CBP – Capacity Building Programme

ACUPCB-SPAV has completed four Capacity Building Programmes, strengthening professional capacities in project management, resilience, and sustainable urban planning practices.

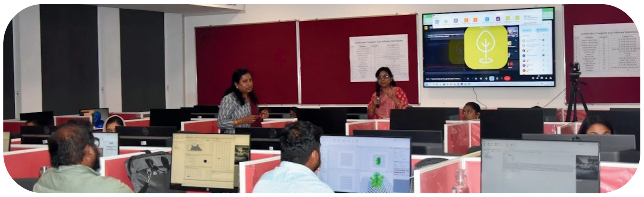
01 CBP_24_01: Climate Actions for Local Area Planning: Combating Heat Extremes



Aligned with SDGs 11 & 13, the program trained urban stakeholders in climate-sensitive planning, heat adaptation, green infrastructure, & building skills to mitigate UHI and enhance biodiversity.

Conducted on : 06.02.25 – 10.02.25
Total number of participants : 28
Principal Instructor : Dr. Anurag Bagade

02 CBP_24_02: Climate Resilience Through Simulation of Urban Environments: Hands on Training of Tools and Techniques



The program introduced ENVI-met for urban microclimate modeling and trained planners and architects in climate-responsive design through expert sessions and hands-on practice.

Conducted on : 17.02.25 – 21.02.25
Total number of participants : 23
Principal Instructor : Dr. Lilly Rose A

03 CBP_24_03: Natural Resource Management for Climate Change Mitigation and Adaptation



The training built capacity in climate strategies for sustainable resource management and resilience.

Conducted on : 10.03.25 – 14.03.25
Total number of participants : 26
Principal Instructor : Dr. Nagaraju Kaja

04 CBP_25_01: Building Coastal Disaster Resilience: R3 Strategies for Flood and Heat Stress



The training strengthened climate resilience planning skills through GIS-based risk assessment, mapping, and reduction strategies for coastal cities.

Conducted on : 10.11.25 – 15.11.25
Total number of participants : 21
Principal Instructor : Dr. Ramesh Srikonda

To register and to know more about the trainings, visit - https://acupcb.spav.ac.in/capacity-building.php



UPCOMING TRAININGS 2026

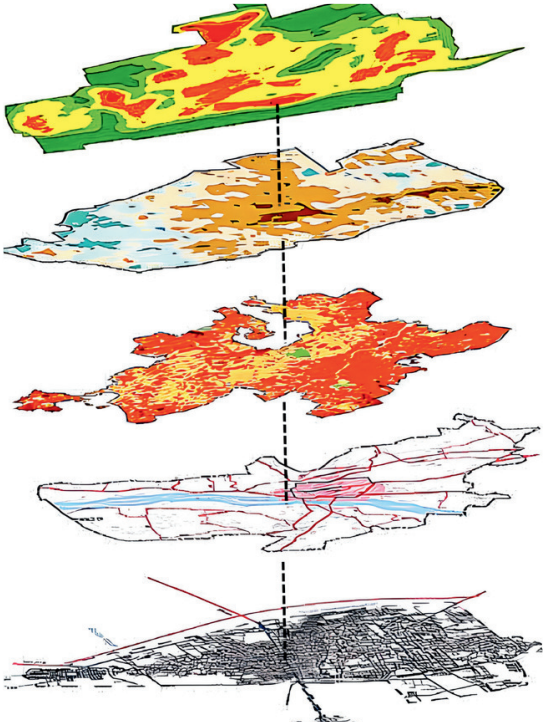
Code	Title of the Training	Duration
EDP_26_02	Energy Efficient Approach for Enhanced Urban Sustainability: From Buildings to Cities	07.09.2026 to 10.09.2026
EDP_26_01	AI Tools for Spatial Planning Urban Local Bodies: Open - Source Spatial Workflows using QGIS	28.09.2026 to 30.09.2026
CBP_26_02	Application of Urban Sound Mapping for Planning and Design of Urban Parks	05.10.2026 to 09.10.2026
CBP_26_03	Blue Green Infrastructure in Practice: From Spatial Analysis to Planning and Design Strategies	16.11.2026 to 20.11.2026
CBP_26_01	Complex Adaptive Systems (CAS) and System Dynamics (SD) in Urban and Regional Planning	07.12.2026 to 11.12.2026

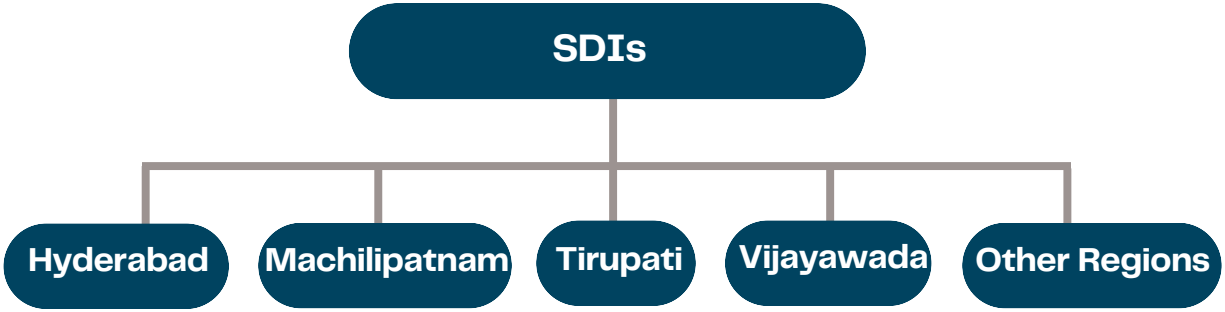
More EDPs and CBPs are soon to be announced and added to the Training Calender. To view the updated list and to register and know about the modules, fees and details, please visit:

https://acupcb.spav.ac.in/capacity-building.php

Spatial Data Infrastructure (SDI)

The ACUPCB-SPAV's Spatial Data Infrastructure (SDI) is a digital platform providing spatial information, reports, and maps for planners and urban development officials in India. Managed by ACUPCB-SPAV, SDI grows with ongoing projects and ensures data is quality-checked, standardized, and converted into layered products for urban planning. It also integrates information from State Government departments under thematic categories, serving as a common platform for planners, students, researchers, and practitioners. Most advanced data products are open source, with continuous updates throughout the year to ensure easy access and usability.







Advocacy

Advocacy

ACUPCB-SPAV serves as a key liaison platform with various local governments in India by providing technical advocacy for policymaking, scheme evaluation, and benchmarking urban planning projects. Through its existing institutional network, it engages with government departments to offer expert advisory, advocacy, evaluation, and appraisal services. The centre aspires to function as a think tank, facilitating informed decision-making through deliberative and advisory exercises for public sector initiatives.

01 ADVR_25_01: Back Lane / Conservancy Lane Improvement under Smart City Mission – An Appraisal and Impact Assessment. Case studies of Jabalpur, Shivamogga and Jaipur

Project Lead : Dr. Ayon Kumar Tarafdar

This advocacy research project analyses the efficiency and effectiveness of Smart City Mission initiatives transforming neglected back lanes in Jabalpur, Shivamogga, and Jaipur into vibrant community spaces, delivering social, environmental, and economic benefits. The project analysed over 30 impact indicators taking opinion of citizens and experts to understand replicability and suggested sustainable operation and maintenance models.



04 Conference on Swarna Andhra 2047 & Vikisit Bharat

A one-day conference on Swarna Andhra 2047 was held on 27.03.2025 that explored Andhra Pradesh's vision for sustainable economic growth, social equity, and environmental resilience, aligning with Vikisit Bharat initiatives. The conclave brought together policy makers, bureaucrats, planners and engineers to deliberate.



03 ADV_25_03: Urban Mobility Challenges and Solutions: Addressing Congestion and Public Transport

Project Lead : Dr. Bhagwat Jayeshkumar Maheshkumar

This two-volume study on Visakhapatnam and Vijayawada analyses congestion, traffic, and bus inefficiencies, proposing ITS, demand management, electrification, and ITS integration to guide planners toward sustainable, efficient, resilient, and integrated urban mobility solutions.

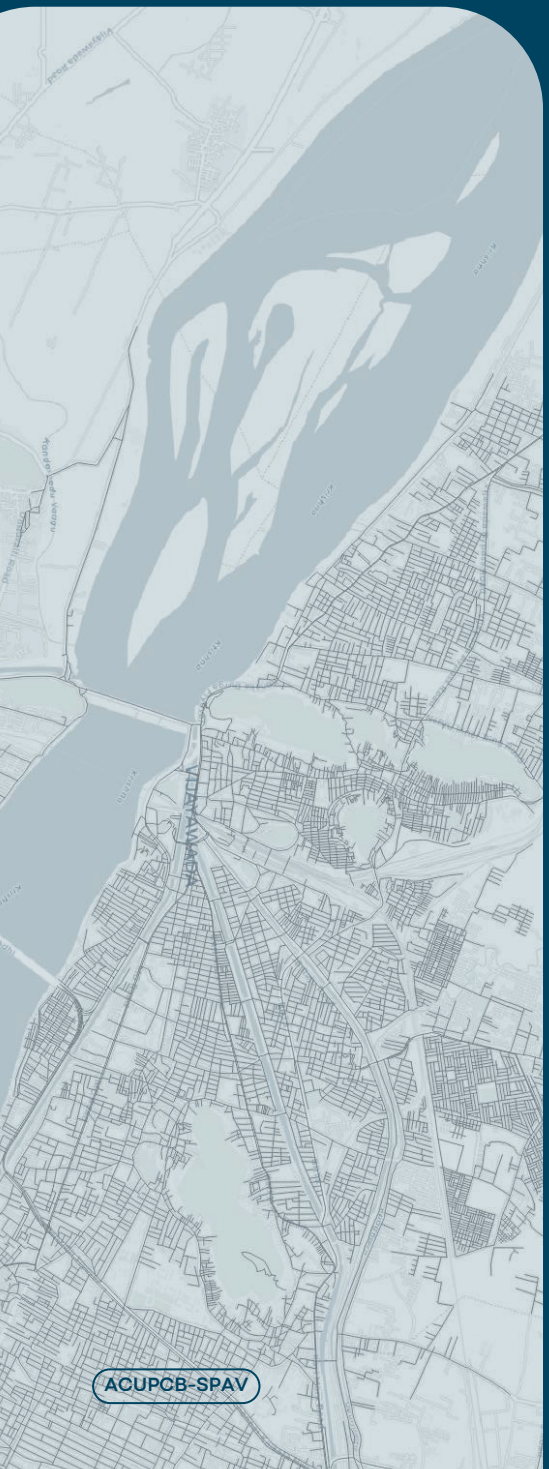


Local Dissemination Workshop

The project findings were disseminated on 19 February 2026 at the APSRTC Office, Visakhapatnam, facilitating stakeholder discussions on congestion and public transport, data sharing, and refinement of recommendations.



For more about Advocacy Research, please visit - https://acupcb.spav.ac.in/advocacy-projects.php



ACUPCB-SPAV

The Team

Leadership



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Overall Direction and Supervision
Director, SPA Vijayawada



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Head and Team Leader, ACUPCB-SPAV
Professor of Planning



Dr. Prasanth Vardhan
Deputy Team Leader, ACUPCB-SPAV
Assoc. Professor of Planning

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Head of Department



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Ms. Swathikka S
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Ms. Debasmita Bhowmik
Junior Research Officer

Ms. Poomail V
Research Assistant

Mr. Vallabai Avanigadda
Junior Administrative Officer

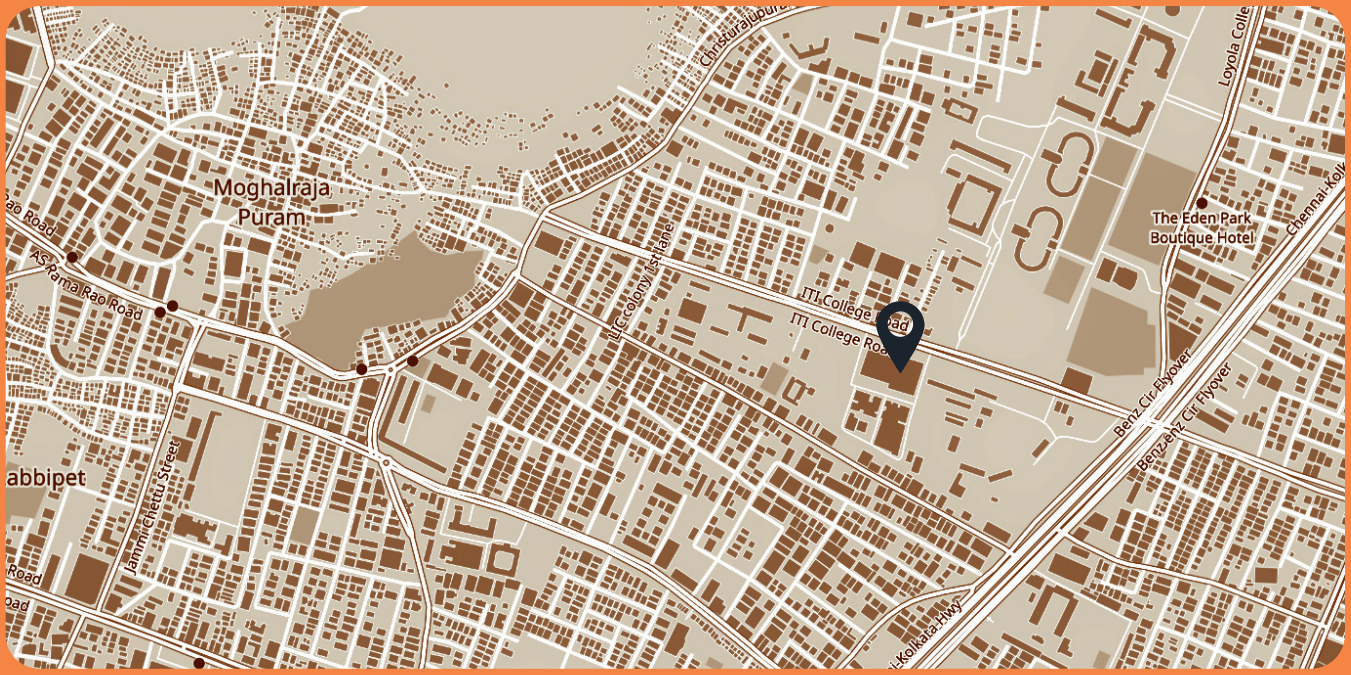
Ms. Kolluri Pravallika
Junior Technical Officer

Team of ACUPCB–SPAV

The team of ACUPCB-SPAV presented is as on Sep 2026. The team is dynamic and growing. For the latest details of team members please visit

https://acupcb.spav.ac.in/work-with-us.php

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2026

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