

CHIEF PATRON

Prof. Ramesh Srikonda

Director, School of Planning and Architecture,
Vijayawada

CHAIRMAN

Dr. Amitava Sarkar

Professor & Head, Dept. of Architecture, SPAV

INTERNATIONAL EXPERTS

Dr. Lakshmi Priya Rajendran

The Bartlett School of Architecture (BSA),
University College London (UCL)

Dr. Pushpa Arabindoo

Department of Geography, University College
London (UCL)

CONVENOR

Dr. Faiz Ahmed C

Department of Architecture, SPA Vijayawada

Dr. Sourojee Dutta

Department of Architecture, NIT Hamirpur

Dr. Nand Kumar

Dept. of Architecture & Planning, MNIT Jaipur

SCAN & REGISTER :



ABOUT THE WORKSHOP

This five-day workshop rethinks building energy optimization through a decolonised, climate-adaptive approach, focusing on sustainable design, thermal comfort, and policy frameworks in the Indian context. It brings together experts and practitioners to explore innovative, interdisciplinary strategies aligned with India's 2030 climate goals, with a special focus on housing.

Key Highlights:

- Introducing decolonial lens to Climate change and adaption research and design
- Use of advanced simulation tools (e.g., energy modelling and microclimate analysis)
- Integration of passive design and climate-responsive strategies
- Hands-on sessions for practical learning and application
- Field-based use of instruments for environmental and thermal measurements
- Interdisciplinary knowledge exchange among academia, industry, and policymakers.

REGISTRATION/ ELIGIBILITY CRITERIA

- Architecture Faculty, Research Scholars and PG students, participants from Government, Industry, etc. are encouraged.
- **Registration Fee:**
Faculty/from Govt/ Industry: Rs. 1000 + GST
Research Scholars/PG Students: Rs. 500 + GST
- **Registration Link or SCAN QR CODE:**
<https://forms.gle/QetQdHo9SVpaAqbs7>

SPARC Project No: P4014S - 2025-2027



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



INTERNATIONAL WORKSHOP ON Decolonising Climate Adaptive Design: Rethinking Building Energy Optimization

03 - 07 AUGUST, 2026
VENUE: SPA VIJAYAWADA

SPONSORED BY
**Scheme for Promotion of Academic and
Research Collaboration (SPARC),
Ministry of Education, Government of
India**

International Workshop on
**DECOLONISING CLIMATE ADAPTIVE DESIGN:
 RETHINKING BUILDING ENERGY OPTIMIZATION**

Sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC),
 Ministry of Education, Govt. of India (Project No: P4014S - 2025-2027)
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DAY	SESSION TYPE	THEME / SECTION	DETAILED CONTENTS	EXPERT
1 3rd- AUG	INAUGURAL 10:00 AM – 11:00 PM	Opening Ceremony	Welcome Workshop Objectives SPARC Overview Chief Guest Address Participant Orientation	Director SPAV, Dean/HoD, SPARC Team & Dr. Suverna Trivedi, IIT Kharagpur
	THEORY 11:00 AM – 12:30 PM	Climate, Coloniality & Built Environment	Colonial Planning Climate Justice Adaptive Design Global South Perspectives	Dr. Lakshmi Priya Rajendran, University College London (UCL)
	02:00 PM – 02:30 PM	Chandigarh – Setting	Introduction + Climate Crisis & Housing & Chandigarh case	Dr. Sourojee Dutta, NIT Hamirpur
	CASE STUDY 02:30 PM - 05:00 PM	MSA Thesis: Thermal Performance of Govt. Housing - Chandigarh	Performance Assessment of NBS & Envelope Treatments for Thermal Comfort Enhancement	Ar. Maalavika S L, MSA Alumni 2026
			Performance-Based Analysis and Optimisation of Urban Morphology	Ar. Simon Elias, MSA Alumni 2026
2 4th- AUG	THEORY 10:00 AM – 12:30 PM	Spatial Justice - Housing	Vernacular Systems + Lived Practices + Spatial Justice	Dr. Pushpa Arabindoo, University College London (UCL)
	02:00 PM – 3:00 PM	Energy Efficient Architecture	Simulation Workflow Logic in context to ECBC	Prof. Janmejy Gupta, SPA Vijayawada
	DISCUSSION 03:30 PM - 05:00 PM	Workshop – Framing – Studio Brief Discussion	Formulation Workshop Objectives and Outcome	Dr. Faiz Ahmed, SPA Vijayawada & SPARC Team
3 5th- AUG	THEORY 10:00 AM – 11:00 PM	Building Physics & Comfort	Heat Transfer Thermal Mass Building Envelope	Prof. Lilly Rose, SPA Vijayawada
	HANDS-ON 11:30 AM - 05:00 PM	Building Energy Simulation	Model Setup Climate Data Materials Internal Loads Base Simulation Result Interpretation	Ar. Akash, Hyderabad
4 6th- AUG	THEORY 10:00 AM – 11:00 PM	Heat Stress and Comfort	Heat Stress Thermal Comfort Adaptive Comfort	Prof. Iyer Vijayalaxmi, SPA Vijayawada
	HANDS-ON 11:30 PM - 05:00 PM	Retrofit & Optimization	Retrofit Scenarios Shading Envelope Design Natural Ventilation Performance Optimization	Ar. Akash, Hyderabad
5 7th- AUG	THEORY 10:00 AM – 11:00 PM	Performance Evaluation	Vernacular Integration + Decolonial Metrics + Policy Link	Dr. Lakshmi Priya Rajendran & Dr. Pushpa Arabindoo, UCL
	GROUP WORK 11:30 AM – 01:00 PM	Synergy of Strategies	Retrofit Design Simulation Design & Policy Integration	Participants Presentation and Discussion
	Valedictory 02:00 PM - 05:00 PM	Final Review & Valedictory	Team Presentations Expert Review Certificates & Closing Remarks	SPARC Team