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- Prof. Rajeev Shringi (HOD), Dept. of Architecture & Planning, MNIT Jaipur
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Convenor

- Prof. Virendra Kumar, Dept. of Electrical Engineering, IIT Mumbai
- Prof. Rohit Bhakar, Dept. of Electrical Engineering, MNIT Jaipur
- Dr. Nand Kumar, Dept. of Architecture & Planning, MNIT Jaipur
- Dr. Gopalakrishanan, Dept. of Architecture, NIT Tiruchirappalli
- Dr. Ravita Lamba, Dept. of Hydro & Renewable Energy, IIT Roorkee
- Dr. Sundeep Kumar, Dept. of Management, MNIT, Jaipur

Coordinators

- Dr. Satish Piparalia, Dept. of Architecture & Planning, MNIT Jaipur
- Dr. Bhavna Shrivastava, Dept. of Architecture & Planning, MNIT Jaipur
- Dr. Gireendra Kumar, Dept. of Architecture & Planning, MNIT Jaipur
- Dr. Yash Kumar Mittal, Dept. of Architecture & Planning, MNIT Jaipur
- Dr. Sunanda Sinha, Centre for Energy & Environment, MNIT Jaipur
- Dr. Shweta Chaudhary, Faculty of Architecture & Planning, VGU, Jaipur
- Ar. Tarun Verma, Dept. of Architecture & Planning, MNIT Jaipur

About MNIT



The Malaviya National Institute of Technology Jaipur (MNIT Jaipur) is one of 31 National Institutes of Technology in India. Established as a Regional Engineering College in 1963, it was upgraded to MNIT in 2002 and declared an “Institute of National Importance” under the NIT Act of 2007. Fully funded by the Ministry of Education, the Institute operates as an autonomous body.

How to reach MNIT

Jaipur is well connected by road, rail and air services. MNIT is situated on Jawaharlal Lal Nehru (JLN) Marg and is about 9 kms from main-railway station as well as Central Bus Stand (Sindhi Camp) of Jaipur. Airport (located at Sanganer) is about 5 kms away from the institute.

Architecture & Planning Department

The Department of Architecture was founded in 1988 and the Bachelor of Architecture course was started in 1989 and M Planning, Post graduate course in Urban Planning started in 2008, and the Department also started the Doctoral Programme in 2014. The department is one of the top institutes imparting education in Architecture & Planning in the country.

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR



ANNOUNCES

International workshop

ON

**Net Zero Buildings in India:
Decarbonizing the Built
Environment**

20 - 24 January, 2025

Sponsored by

Scheme for Promotion of Academic and
Research Collaboration (SPARC), MoE, GOI.

Atal Mission for Rejuvenation and Urban
Transformation (AMRUT 2.0), MOHUA, GOI

Rajasthan Renewable Energy Corporation
Limited (RRECL)

Rajasthan State Pollution Control Board

Rajasthan Housing Board, Govt. of Rajasthan

Organized by

Department of Architecture and Planning
Malaviya National Institute of Technology
Jaipur, Rajasthan – 302017, India

Knowledge Partner

Vivekananda Global University, Jaipur

About Workshop

This five-day workshop on **"Net Zero Buildings in India: Decarbonizing the Built Environment"** is dedicated to advancing sustainable design, exploring cutting-edge technologies, renewable energy solutions, and policy regulatory framework to achieve net-zero building. This workshop highlights an ecosystem approach to achieving occupant thermal comfort, energy efficiency, carbon emission, and life cycle cost by optimizing advanced building materials, façade, passive features, lighting, HVAC, renewable sources, and storage systems to realize zero energy/carbon building. The aim of the workshop is to equip participants with comprehensive knowledge and strategies to decarbonize the built environment in India. This workshop will bring together international leading experts, researchers, and practitioners on a common platform to explore and exchange innovative strategies, utilizing emerging technologies, and policies essential for achieving decarbonization in the built environment and contributing to India's net zero target 2070. This workshop aims to facilitate interdisciplinary collaboration and knowledge sharing among professionals, researchers, academicians, and policymakers to understand the challenges and opportunities in decarbonizing the built environment.

Workshop Highlights

- What is net zero
- Climate change and built environment
- Occupant comfort and health
- Building energy efficiency
- Integration of RE and storage for decarbonization
- Policy landscape for net zero
- Policy landscape for decarbonization and net zero
- Enabling occupant thermal comfort to reduce energy
- Climate adaptive material, passive intervention
- Emerging technology for a sustainable built environment
- Understanding embodied energy and life cycle performance
- Optimization technique for net zero design

Key Speakers

• Prof. Jørn Toftum,

Technical University of Denmark, Denmark

He is head of the Indoor Environment Section at DTU, Denmark. His research focused on the interaction between indoor environments and human comfort, health, and performance



• Prof. Rune Andersen,

Technical University of Denmark, Denmark

He is an associate professor in the Indoor Environment Section at DTU Denmark. His research focuses on understanding, modeling, and influencing occupant behavior and indoor environments and building energy use.



• Dr. Kedar Mehta

Institute of new Energy Systems, TH Ingolstadt, Germany

He is a Head of the Research Group of International Energy Research and specializes in sustainable community development, integrating renewable energies into building and building energy efficiency.



Important Dates

Last date of Applications: 15th Jan 2025

Intimation of selection by E-mail: 16th Jan 2025

Date of Workshop: 20th – 24th January 2025

Registration Eligibility Criteria

The faculty members of AICTE-approved institutions, research scholars, UG/PG students, participants from government, Industry (Bureaucrats/ Technicians / Participants from Industry, etc.)

Accommodation

Accommodation is available at MNIT guest houses and hostels but is not included in the registration fee. Participants are requested to arrange their bookings independently. Early booking is advised to ensure availability during the event.

Registration

Registration Fee	Academic Institute (Rs.)	Industry/ (R&D) organization (Rs.)	Research Scholars/ Students (Rs.)
Registration	1000/-	1500/-	500/-

Note: Extra 18% GST will be applicable on the registration fee.

Application Form

Interested participants from industry, faculty, research scholars, and students can apply in the prescribed Google form: <https://forms.gle/xbdaAmdYnGx6acqx7>

Payment Details

Beneficiary Name: **Registrar (Sponsored Research) MNIT Jaipur**

IFSC Code: **ICIC0006768**

Account type: **Saving**

Bank Account No.: **676801700388**

Bank: **ICICI Bank Ltd**

Branch: **MNIT Jaipur**

City: **Jaipur**

MICR No.: **302229031**

Contact Person

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