Chief Patron

Prof. Narayana Prasad Padhy, Director, MNIT Jaipur

Chairman

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

Convenor

- Dr. Nand Kumar, Dept. of Architecture & Planning, MNIT Jaipur
- Prof. Mahesh Kumar Jat, Dept. of Civil Engineering, MNIT Jaipur
- Dr. Satish Piparalia, Dept. of Architecture & Planning, MNIT Jaipur

Coordinators

- Dr. Ramesh Babu Battula, Dept. of Computer Science, MNIT Jaipur
- Dr. Sundeep Kumar, DMS MNIT Jaipur
- Dr. Gireendra Kumar, Dept. of Architecture & Planning, MNIT Jaipur
- Dr. Shweta Chaudhary, Faculty of Architecture & Planning, VGU, Jaipur
- Ar. Manjari Rai, Faculty of Planning and Architecture ,Poornima University, 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

A Data Driven Approach Towards Smart Cities

21st - 25th July, 2025

Sponsored by

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

AMRUT CENTRE MNIT JAIPUR

Organized by

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

Knowledge Partner

MNIT-AMRUT Funded Centre of Urban Planning for Capacity Building, Jaipur
Vivekanand Global university, Jaipur
Poornima University, Jaipur

About Workshop

This five-day workshop on **"A Data Driven Approach Towards Smart Cities"** is dedicated to exploring how urban data can be harnessed to build efficient, resilient, and citizen-centric cities. It focuses on integrating digital technologies, real-time data analytics, and intelligent infrastructure to address the growing complexities of urban environments. The workshop emphasizes how a data-driven approach enables smarter decision-making, enhances service delivery, and drives sustainable urban transformation.

The aim of the workshop is to equip participants with the technical knowledge, analytical tools, and practical skills necessary to design and implement data-driven solutions for urban challenges. Through focused sessions and interactive hands-on modules, participants will gain experience in working with real-world urban datasets, creating visualizations, building digital dashboards, and simulating urban systems using AI and GIS platforms.

This workshop will bring together leading experts, researchers, data scientists, and urban practitioners to share knowledge and demonstrate how data-centric strategies are revolutionizing urban planning and management.

Workshop Highlights

- What is Data Driven Approach
- Sources of Data in Smart Cities
- Smart Cities Initiatives in Urban mobility in Smart Cities
- Designing a Data Collection Strategy
- Urban Heat Islands and Mitigation Measures
- Decision making in Urban Risk, Asset Management
- Indian Roads congress norms for Road Designs, Intersection Designs
- Participants Presentations: Journey, Journal and Data Insights
- SPARC Alignment and Feedback Session

Key Speakers

Dr. Mehran Eskandari Torbaghan, Lecturer University of Birmingham, is a renowned academic and researcher specializing in smart infrastructure development and data-driven urban management solutions. With over 13 years of experience at the University of Birmingham Dr. Mehran brings world-class expertise in: Autonomous infrastructure maintenance systems AI and robotics applications for urban development Risk-based approaches for sustainable infrastructure Big data analytics for smart cities.

Prof. Mahesh Kumar Jat, Professor of MNIT Jaipur, is a renowned academic and researcher specializing in Water Resources Management; Hydrological modelling; Climate change, Remote Sensing and GIS Applications.

Dr. Nand Kumar, Associate Professor of MNIT Jaipur, is a renowned academic and researcher specializing in Sustainable Urban Development, Energy Planning and Management, Net zero built environment, Urban Water Systems and Integrated Urban Water Management, Urban Transportation Planning.

Dr. Satish Pipralia, Associate Professor of MNIT Jaipur, is a renowned academic and researcher specializing in Urban Financial Management, Urban Sustainability, Urban Issues & Informal Sector, Urban Development Planning and Management, Urban Dynamics

Important Dates

Last date of Applications: 18th July 2025
Intimation of selection by E-mail: 19th July 2025
Date of Workshop: 21st – 25th July 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	590/-	590/-	118/-

Application Form

Interested participants from industry, faculty, research scholars, and students can apply in the prescribed Google form:

https://docs.google.com/forms/d/e/1FAIpQLSfhrc59znbqiDhrR42qE1LgeGEgLPHQrYrNkwKJd_BXoJ344g/viewform?pli=1

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**
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