

About MNIT Jaipur

The Malaviya National Institute of Technology Jaipur (MNIT Jaipur) is one of the 31 National Institutes of Technology in India. The Institute was established as a Regional Engineering College in 1963. Later on the Institute was upgraded to Malaviya National Institute of Technology in 2002 by Government of India. In 2007 the Institute was declared as an "Institute of National Importance" by National Institutes of Technology Act, 2007. The Institute is now an autonomous body and is fully funded by the Ministry of Education, Government of India.

About the Department

With the legacy of over 35 years, the Department of Architecture and Planning is a culmination of young architects and planners thriving for knowledge and Innovation. Each student is moulded to become an asset for the Industry through hard work and persistence in the department. They look up at the problem with the multiple perspectives, understanding the context and empathizing with the end user. Strong design responsiveness is inculcated in the students to improve the quality of life and environment.

About the Workshop

Fire outbreak is recognized as one of the most devastating and recurring urban hazards that severely affect human life, built environments, and city infrastructure. Rapid urbanisation, aging infrastructure, and inadequate preparedness have further increased the vulnerability of cities to fire-related disasters. The walled city of Jaipur, a UNESCO World Heritage site, presents a critical case where dense urban fabric, mixed land uses and narrow access streets pose serious challenges to effective fire management. This workshop aims to explore the complex issue of urban fire resilience through multi-dimensional lenses—governance, infrastructure, planning, and technology—while fostering inter-agency coordination and policy alignment.

Course Objectives

The first objective of the workshop is to sensitise participants to the issue of urban fire by introducing them to the multifaceted challenges associated with governance, supply chains, infrastructure planning, and emergency coordination.

The second objective is to conduct a reconnaissance survey within the heritage walled city of Jaipur to identify, document, and verify factors contributing to fire risk.

The third objective focuses on mapping existing urban infrastructure—including open spaces, water tanks, underground hydrants, and fire stations.

Finally, the fourth objective is to develop strategic frameworks and actionable solutions aimed at improving fire resilience.

Through a combination of expert lectures, field surveys, and analytical exercises, this workshop seeks to build a collaborative platform for practitioners, researchers, and policymakers to reimagine urban fire resilience.



Malaviya National Institute
of Technology Jaipur



Scheme for Promotion of Academic and
Research Collaboration

MNIT Jaipur Presents "prahari 3.0"

SPARC SPONSORED

ONE WEEK WORKSHOP & RESEARCH COHORT

ON

Urban Fire Resilience
Strategic Frameworks for Fire-Risk
Mitigation in Indian Context

21st - 25th
November
2025

In Association With



RMIT University
Melbourne Victoria
Australia



Poornima University
Jaipur



Visvesvaraya National
Institute of Technology
Nagpur



School of Planning
and Architecture
Bhopal



Coalition for
Disaster Resilient
Infrastructure



Fire & Security
Association of
India

Speakers



Prof. Prem Chhetri
RMIT University Melbourne

Dr. Prem Chhetri is Professor supply chain and logistics management at RMIT University in Australia. An internationally recognized academician, Prof. Chhetri's research focused on port logistics, climate change, urban analytics, defence logistics and geopolitics, humanitarian supply chain and emergency response, skills and training, and the



Dr. Ratnesh Kumar, CDRI

Dr. Ratnesh Kumar is a Lead Specialist at the Coalition for Disaster Resilient Infrastructure (CDRI), working at the intersection of infrastructure risk, climate resilience, and sustainability. With experience across NDMA, IIT Delhi, NBCC, and L&T, he brings deep expertise in socio-technical research and multi-stakeholder programme leadership. He currently leads key global initiatives strengthening resilient infrastructure systems



Dr. Udit Jain, VNIT Nagpur

Dr. Udit Jain currently working as an Assistant Professor at VNIT Nagpur, holds a Ph.D. in Transportation Engineering from IIT Roorkee, where his research on pedestrian safety contributed to the Indian Highway Capacity Manual (2017) and the upcoming revision of IRC-103: Guidelines for Pedestrian Facilities. His research interest spans over the areas of Road Safety, Pedestrian Infrastructure, Intelligent Transportation Systems, and Sustainable Urban Transport Planning.



Dr. Mayank Dubey, SPA Bhopal

Dr. Mayank Dubey is an Assistant Professor in Transport Planning and Logistics Management and the Coordinator of the Centre of Excellence in City Logistics Management (COECLM) at the School of Planning and Architecture, Bhopal. His research and teaching domain are urban mobility, freight logistics, spatial analytics, and road safety governance, with a focus on quantitative modelling, policy integration, and sustainable transport systems.

Organising Committee

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Prof. Narayana Prasad Padhy
Director, MNIT Jaipur

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

Prof. Tarush Chandra,
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Dr. Tarun Verma, Assistant Professor,
Department of Architecture & Planning

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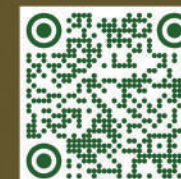
ON

Urban Fire Resilience

Strategic Frameworks for Fire-Risk Mitigation in Indian Context

For Registration

Scan
QR
Code



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