

# JSDA FACULTY RESEARCH COLLOQUIUM

16.02.2025, Monday, 1:30 - 3 pm

T5-SG2, JSDA Project Pitch Studio



## Automating the Process of Building Compliance Checking

**Ramneet Kaur** (Associate Professor, JSDA)

Building compliance checking refers to the systematic evaluation of a building design against applicable codes, bylaws, and development control regulations to ensure safety, functionality, sustainability, and legal conformity. Traditionally, this process has been largely manual, dependent on human interpretation of complex textual regulations and 2D drawings. The purpose of the checking mechanism is not to alter a building design, but to assess it based on its attributes and relationships.

A literature review suggests that extensive research has been conducted internationally over the last four decades in the area of automated and semi-automated regulatory compliance checking for the Architecture, Engineering, and Construction (AEC) industry. This paper examines the various research related to the topic and identify the gap and way forward. The findings of this study provide valuable insights for AEC researchers and practitioners considering the automation of compliance processes.



# Spring 2026

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**16.02.26**

Automating the  
Process of  
Building  
Compliance  
Checking

**Ramneet Kaur**



**Ambika Magotra**



**06.04.26**

Recontextualisation  
of Traditional Skills  
for Circular  
Economy

**Saeed Ahmad**



**09.03.26**

Nation, Region,  
Religion:  
Monumentality  
and Urban Space  
in Postcolonial  
Amritsar

**04.05.26**

Making  
Information

**Ayodh Kamath**



**13.04.26**

Concrete Ecologies:  
Rethinking Smart  
Cities and Urban  
Design

**Anindita Nag**



**Jindal School of  
Design & Architecture**  
India's Global Design and Architecture School

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