

Spring 2026

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.



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

For queries, contact
saeed.ahmad@jgu.edu.in

Spring 2026

JSDA FACULTY RESEARCH COLLOQUIUM

Mondays, 1:30 - 3 pm

T5-SG2, JSDA Project Pitch Studio

Ramneet Kaur



16.02.26

Automating the
Process of
Building
Compliance
Checking

Saeed Ahmad



09.03.26

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

Ambika Magotra



06.04.26

Recontextualisation
of Traditional Skills
for Circular
Economy

Anindita Nag



13.04.26

Concrete Ecologies:
Rethinking Smart
Cities and Urban
Design

Ayodh Kamath



04.05.26

Making
Information



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

For queries, contact
saeed.ahmad@jgu.edu.in