



## National Institute of Technology Patna

National Institute of Technology Patna traces its origin to the Pleaders' Survey Training School established in 1886, which became Bihar College of Engineering in 1924. It was renamed NIT Patna on 28 January 2004 as an autonomous institute under the Ministry of Education, Government of India, offering UG, PG and PhD programmes in Architecture, Planning, Science, Engineering, Technology and Humanities.

### Department of Architecture and Planning

Established in 1979, the Department of Architecture and Planning was the first to introduce architectural education in Bihar. The department offers B.Arch., M.Arch. in Sustainable Architecture, MURP and PhD programmes. It is committed to excellence in teaching, research and professional development. The department equips students with contemporary knowledge and skills in architecture, planning and sustainable development.

## Five Days Workshop (Hybrid Mode)

### on Sustainable Planning and Design: Macro to Micro

### Course Duration

13–17 July 2026

Morning 11:00 AM–12:30 PM Afternoon 1:30 PM–3:00 PM

### About the Workshop

The five-day workshop, “Sustainable Planning & Design: Macro to Micro”, is an interdisciplinary programme exploring sustainability across urban, neighbourhood and architectural scales. It integrates sustainable planning, urban equity, development regulations, climate resilience, vernacular design, digital tools, simulation and research methods, while examining how macro-level decisions influence human experience and how design, technology and context-responsive strategies can support effective implementation at the micro level.

### Workshop Schedule

| Date and Mode                          | Morning Session<br>11:00 AM–12:30 PM  | Afternoon Session<br>1:30 PM–3:00 PM  |
|--|---|---|
| 13 July 2026<br>Monday<br>IN-PERSON    | What Makes a Sustainable Neighbourhood? Exploring the What, Why and How<br>Resource Person: Sohail Ahmad                                  | Advanced Digital Tools and Research Methodology<br>Resource Person: Iasef Md Rian   |
| 14 July 2026<br>Tuesday<br>IN-PERSON   | Simulation and Optimisation: Results and Analysis<br>Resource Person: Iasef Md Rian   | Walking the City: Comparing Sustainability, Equity and Quality of Life across Neighbourhoods<br>Resource Person: Sohail Ahmad                             |
| 15 July 2026<br>Wednesday<br>IN-PERSON | Vernacular and Hill Architecture in Sustainable Development: Integrating Tradition with Modern Planning<br>Resource Person: Ashwani Kumar | Development Regulations for Sustainable Planning and Design: Translating Macro Policies into Micro-Level Implementation<br>Resource Person: Ashwani Kumar |
| 16 July 2026<br>Thursday<br>IN-PERSON  | Evaluation and Reflection: Approaches to Critical Analysis<br>Resource Person: Sohail Ahmad and Iasef Md Rian                             | Career Pathways after Postgraduate and Doctoral Studies<br>Resource Person: Sohail Ahmad and Iasef Md Rian  |
| 17 July 2026<br>Friday<br>ONLINE       | Climate Resilience and Disaster-Sensitive Urban Planning: From Risk Assessment to Local Action<br>Resource Person: Ayon Kumar Tarafdar    | Concluding and Feedback Session<br>Resource Person: Ar. Abhishek Kumar Bittu and Rakesh Kumar   |

**Patron:** Prof. Pradip Kumar Jain  
Director NIT Patna

**Chairman:** Dr. Shailendra K Madal  
Head DoAP, NIT Patna

**Convener:** Dr. Mazharul Haque  
Associate Professor, NIT Patna

**Coordinators:** Ar. Abhishek Kumar Bittu  
Ar. Rakesh Kumar  
Assistant Professor, NIT Patna

### Resource Person

**Dr Ayon Kumar Tarafdar,**  
Professor, Department of Planning, SPA Vijayawada, India

**Dr. Iasef Md. Rian,**  
Associate Professor, Xi'an Jiaotong  
Liverpool University, China

**Dr. Ashwani Kumar**  
Associate Professor, Department of Architecture  
NIT Hamirpur, India

**Dr. Sohail Ahmad**  
Senior Lecturer (Associate Professor) in Town Planning,  
University of the West Scotland, Scotland, UK

### Registration Details

Registration has to be completed through the Google form link below or by scanning the QR code.



<https://forms.gle/4DtCCu4vm62K1y8b7>

**For any queries:**  
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### Target Participants

Postgraduate students, doctoral scholars, researchers, faculty members and professionals from multidisciplinary domains are the key stakeholders and participants of the workshop.

