

**Indian Institute of Technology Jodhpur**  
**NH 62, Nagaur Road, Karwar, Jheepasani**  
**Jodhpur – 342030, Jodhpur, Rajasthan**

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**Internship Opportunity at IIT Jodhpur**

**Job Description:** Indian Institute of Technology Jodhpur is working on establishing an AI Centre for Sustainable Cities. As part of this, a particular research vertical aims to look into Jodhpur North Heritage Area Revitalization Action Plan. Prime objective of this plan is to ensure heat mitigation and adaptation strategies for pedestrians and tourists within the heritage precinct. The position is ideal for someone who is interested to explore inter disciplinary sciences for the applications of architectural and urban planning schemes. The methodology involves evaluating town planning and heritage action plans, identifying indicators and regulations for heritage area walkability, environmental performance assessment using microclimate simulation tools, data analysis using statistical and AI tools and formulating guidelines for the action plan.

**Duration:** 2 months starting first week of May or as early as possible

**Remuneration:** 15000/- INR per month with hostel accommodation. Mess/canteen food can be made available in a subsidized rate.

**Required qualification:**

- Bachelor degree final and pre final year students of architecture, urban planning, civil engineering, Master's students of Urban Planning or Architecture. M.Sc students of Sustainability, Geography or Environmental Studies
- Preferred if the candidate has prior knowledge of either of urban planning schemes, development control regulations, heritage conservation
- Good management and organizational skills
- Flexible, self-motivating, able to manage multiple tasks, complete tasks on time and work under short deadlines.

**Skills:** Basic GIS, Microsoft Word, Excel and PowerPoint. Additionally, SPSS and R Studio exposure is preferable.

**Scope of work:**

- Site survey and built heritage land use mapping for the old Jodhpur area
- Analysis of town planning schemes for heritage area revitalization
- Developing strategies for improving walkability/ pedestrian infrastructure considering climate change/heatwave attributes
- Surveys, data collection, data analytics, and micro climate simulation for developing heat mitigation and adaptation strategies
- Opportunity to learn Statistical, Artificial Intelligence (AI), Machine Learning (ML) tools for data analytics as well as microclimate simulation software
- First-hand experience of working in a digital twin
- Report writing and possible publications

Email your detailed CV and a brief 100-word statement of interest to Dr. Shreya Banerjee at [shreyab@iitj.ac.in](mailto:shreyab@iitj.ac.in).