



ICSSR SPONSORED RESEARCH PROJECT  
MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL  
DEPARTMENT OF ARCHITECTURE AND PLANNING

INVITATION FOR APPLICATIONS

# Internship Programme

River-Sensitive Urban Sanitation: A Longitudinal Exploration of the Thematic Link between the Health of the River Narmada and Its Adjoining Urban Settlements

DURATION	PERIOD	STIPEND	ELIGIBILITY
45 DAYS	15 <sup>th</sup> May - 30 <sup>th</sup> June, 2026	₹ 7500	B.PLAN, B.ARCH, M.PLAN

## 01 PREAMBLE

The vitality of a city is inextricably linked to the health of the rivers that sustain it. Grounded in human-environment interaction theory, this research posits that urban prosperity and public health cannot be achieved in isolation from ecosystem integrity. While national initiatives like SBM, AMRUT, and the National Mission for Clean Ganga have historically bolstered physical infrastructure, the holistic social impacts on riverside communities often remain unaddressed.

This study examines the Narmada River, a 1,312-kilometer lifeline supporting 21 urban local bodies. As rapid urbanization overburdens infrastructure, a critical "triangle of interdependence" emerges: river health, urban sanitation, and public well-being. Degradation in one inevitably triggers a decline in the others.

Using a longitudinal, mixed-methods approach—combining spatial analysis with socio-economic profiling—this work investigates how systemic failures in waste management disproportionately affect vulnerable populations. Moving beyond traditional engineering, the research reimagines sanitation as an environmental justice imperative.

By integrating time-series data with lived narratives, this study bridges the gap between governance and community needs. The findings provide a scalable framework for river-sensitive urban planning, treating the Narmada as a vital, functional artery of sustainable development.

## 02 OBJECTIVES

- ◆ Thematic mapping & field documentation of Narmada's urban fringes
- ◆ Develop technical solutions for river-sensitive sanitation & waste management
- ◆ GIS & remote sensing for urban-ecological problem modelling
- ◆ Publish findings in reputed journals & present at conferences
- ◆ Intellectual Property: Register innovative designs as patents

## 03 PRE - REQUISITES

Open to students enrolled in:

B.PLAN

B.ARCH

M.PLAN

Familiarity with GIS tools, basic understanding of urban planning or environmental sciences, and a keen interest in river ecology and sustainable development is preferred.

## 04 PRINCIPAL INVESTIGATORS & CO. INVESTIGATORS

### PROJECT DIRECTOR

Prof. K. K. Dhote

Dept. of Architecture and Planning

### CO - PROJECT DIRECTOR

Prof. Preeti Onkar

Dept. of Architecture and Planning

### CO - PROJECT DIRECTOR

Dr. Navneet Munoth

Dept. of Architecture and Planning

APPLY VIA GOOGLE FORM

<https://forms.gle/bBx3BGb2w8Cf58rs6>

LAST DATE : 30<sup>th</sup> APRIL 2026

SCAN TO APPLY



CONTACT DETAILS

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