



Advertisement for Recruitment of Junior Research Fellow (JRF)

Applications are invited from highly motivated and eligible candidates for the **Junior Research Fellow (JRF)** position to work on the Narmada River Basin Management Studies research project, **funded by the Ministry of Jal Shakti, Govt. of India**. The objective of the integrated river basin management of the River Narmada is to restore and maintain the wholesomeness of the river system and improve its ecological health, with due regard to resolving conflicts of interest in anthropogenic land and water uses throughout the entire river basin.

Application Form: Interested candidates are requested to click here <https://forms.gle/s2y1AfBMf931kk4o6>

The candidates should send a Detailed Curriculum Vitae (CV), a valid photographic identity card, and **original and self-attested photocopies of all documents** (10th class onwards).

Emolument & Eligibility:

1. Position: Junior Research Fellow – 1 Nos.

- **Eligibility:**

Essential Qualifications:

- M.Tech / M.Sc. in Remote Sensing & GIS, Geoinformatics, Computer Science, Data Science, Environmental Engineering, Water Resources Engineering, or related interdisciplinary fields with strong computational background.
- Strong programming skills in Python, R, JavaScript, or similar languages for geospatial data processing and automation.
- Excellent speaking, reading, and writing skills in Hindi and English are mandatory.

Desirable Qualifications:

- Experience in developing geospatial applications, dashboards, or decision-support systems (Web GIS / Cloud-based platforms).
- Knowledge of image classification, machine learning, and AI-based spatial modelling.
- Experience in spatial database management (PostgreSQL/PostGIS or similar).
- Familiarity with API integration, data visualization frameworks, and interactive mapping tools (Leaflet, Mapbox, Dash, Streamlit, etc.).
- Understanding of hydrological or environmental modelling workflows is desirable.
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Project Responsibilities:

- Development of automated workflows for satellite image processing and spatial data analytics.
- Design and implementation of interactive dashboards and web-based geospatial applications
- Integration of remote sensing outputs into scalable spatial databases.
- Automation of basin-level spatial data processing and reporting systems.
- Translation of scientific analyses into user-friendly visualization tools and decision-support platforms.
- Support in documentation, technical reports, and development of open-access digital tools.
- Coordination for data validation and integration of field datasets (if required).

Fellowship: INR 37,000 monthly + HRA (as per IIT norms).

Duration: Initial appointment will be for one year, which is extendable further based on the candidate's performance.

Last Date: 17:00 hrs on 28th March 2026.

Terms & Conditions:

- No TA/DA will be provided to the candidate for the interview.
- The PI shall not be responsible for email delay, if any, or any other reason for non-receipt of the document at the specified time, which will result in disqualification/rejection of the application.
- The decision of the selection committee will be final.
- If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- The candidate's appointment will be governed by the terms and conditions of the Institute/funding agency, particularly applicable to the said project, as and when required.
- The selected candidate must join duty immediately upon receipt of the offer.
- The fellowship may be terminated with 30-day notice before completion of the tenure if performance to date is not deemed satisfactory.
- Only shortlisted candidates will be intimated by email for an interview