



राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

(An Institution of National Importance under Ministry of Education, Govt. of India)

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F.No.:NITMZ/Estt./57-18(1)/2025/ 1642

Date: 13 AUG 2028

ADVERTISEMENT FOR THE POST OF JUNIOR RESEARCH FELLOW (JRF)

Applications are invited from eligible candidates for the position of **Junior Research Fellow (JRF)** purely on **temporary/contractual** basis under the Technology Development (TD) Project titled "**AI-CPS Framework for Intelligent River Sand Mining in Mizoram: IoT-Driven Deposit Mapping, SAV Operational Guidance, and Worker Safety Intelligence for Dual-Mode Mining Environments**", funded under the Technology Development (TD) Program-2026 of TEXMiN – NIT Mizoram Mining CPS Centre of Excellence (CoE) [Ref: NITMZ/Estt./57-18/2025/1603 dated 07/08/2026].

Post	Junior Research Fellow (JRF)
No. of Post(s)	01 (One)
Name of the Project	AI-CPS Framework for Intelligent River Sand Mining in Mizoram: IoT-Driven Deposit Mapping, SAV Operational Guidance, and Worker Safety Intelligence for Dual-Mode Mining Environments
Tenure of Project	18 months
Principal Investigator (PI)	Dr. F. Lalchhandama, Assistant Professor, Department of Computer Science and Engineering, NIT Mizoram
Co-Principal Investigator (Co-PI)	Dr. C. Lalengmawia, Assistant Professor, Department of Computer Science and Engineering, NIT Mizoram
Essential Qualification	BE/B.Tech (or equivalent) in Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, or any related discipline, preferably with a valid GATE score; OR Master degree in Technology (M.Tech) or Master degree in Engineering (M.E) in CSE/IT, ECE, or any related discipline — as per DST/SERB norms for JRF in Engineering
Desirable Skills	Working knowledge of Python and ML frameworks (PyTorch/TensorFlow/scikit-learn/XGBoost); hands-on experience with IoT/embedded systems (Raspberry Pi, Arduino, LoRa-based communication); familiarity with GIS tools (QGIS, Leaflet.js) and web/database backends (Flask, PostGIS) will be preferred
Age Limit	Not exceeding 28 years as on the date of advertisement (relaxable for SC/ST/OBC/PwD/Women candidates as per Government of India norms).
Consolidated Salary	₹. 37,000/- per month + 10% HRA (₹. 40,700/- per month), as per DST/SERB norms for JRF in Engineering.

Job Requirements	Deployment and maintenance of IoT sensor networks at field sites; dataset collection, curation, and labelling; development and validation of ML models (SDM/SOG modules); development of wearable Worker Safety Intelligence (WSI) nodes; GIS dashboard development; field visits to river mining sites in Aizawl and neighbouring districts; assisting in preparation of reports and publications.
Place of Work	National Institute of Technology Mizoram, Chaltlang, Aizawl, with periodic field visits to project sites.

How to Apply:

Interested and eligible candidates may send their application along with a detailed CV, copies of relevant certificates/mark sheets, and a valid GATE/NET scorecard (if applicable) to the Principal Investigator (lalchhandama.cse@nitmz.ac.in) on or before **21st August 2026**. Applications received after the deadline will not be considered.

Selection Process:

Shortlisted candidates will be called for a walk-in interview/online interview before a duly constituted Selection Committee. No **TA/DA** will be paid for attending the interview. The date, time, and mode of the interview will be communicated to shortlisted candidates by email.

Note:

1. The position is purely temporary and co-terminus with the project; it does not confer any right to regular employment at NIT Mizoram.
2. The Institute reserves the right to cancel/postpone the recruitment process, or not to fill the post, without assigning any reason.
3. There shall be quarterly reviews of the selected candidate's performance. If the performance is deemed unsuitable at any time, the appointment shall be terminated, and no fellowship will be granted.
4. Age relaxation and reservation will be as per Government of India norms.
5. Canvassing in any form will lead to disqualification.



(Prof. H. LALHMINGSANGA)

Registrar In-Charge

National Institute of Technology Mizoram