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IIT Indore

भारतीय प्रौद्योगिकी संस्थान इन्दौर
सिमरोल, इन्दौर 453 552, भारत

Dated: 20-3-2025

Advertisement for Recruitment of a Junior Research Fellow

Applications are invited from highly motivated candidates for one Junior Research Fellow (JRF) position in the research project titled "GUI-Based MIL-STD-1553B Spacecraft Onboard Data Analyzer", funded under the RESPOND scheme of the Indian Space Research Organisation (ISRO).

Through this project, we aim to develop an intelligent tool capable of efficiently handling large volumes of spacecraft communication data and extracting meaningful insights automatically. The tool will feature a user-friendly graphical interface to assist in assessing subsystem behavior with just a click. Additionally, it will generate graphical reports, visually representing crucial metrics to facilitate the easy identification of anomalies and deviations in spacecraft communication.

Essential Qualifications:

- B.Tech/M.Tech in Computer Science and Engineering, Electronics and Communication Engineering, or a related engineering discipline.
- GATE qualification in Computer Science (CS) or Electronics and Communications (EC)

Desirable Qualifications:

- Knowledge of communication protocols
- Experience in front-end development using ReactJS and NodeJS.
- Proficiency in backend programming, particularly in Python.
- Prior industry experience in full-stack development (front-end and back-end coding).
- Familiarity with data visualization libraries (e.g., D3.js, Matplotlib, Plotly) for graphical reporting.
- Strong problem-solving skills and the ability to work on interdisciplinary projects.

Fellowship: ₹ 37,000/- per month + HRA (as per norms).

Duration: The initial appointment will be for three months, which is extendable further (till the project duration of two years) based on the candidate's performance.

How to Apply: Interested candidates shall submit their application through the **Google Form link:** <https://shorturl.at/evB2s> by 11:59 PM March 30, 2025.

Address for Correspondence:

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PI and Assistant Professor,

Department of Computer Science and Engineering, IIT Indore

Terms and Conditions:

- Only shortlisted candidates will be called for an interview as per IIT norms.

- *Selected candidates will be intimated by e-mail for an online interview. The PI shall not be responsible for email delay, if any, which will result in disqualification/rejection of the application.*
- *The decision of the selection committee will be final.*
- *The selected candidate must join duty immediately upon receipt of the offer.*