

Office of the Dean Research and Consultancy  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103

Project on: "REVOLUTIONIZING MINE SAFETY: AN AI-ENABLED FIRE DETECTION SYSTEM FOR UNDERGROUND ACTIVE AND CLOSED/ABANDONED MINES"

[Sponsoring Authority: Coal India Limited]

Department of Mining Engineering,  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103

[Institute Project Code: DRC/CMPDI/MIN/PD/012/25-26]

Applications are invited from eligible candidates for the following post under a sponsored research project funded by Coal India Limited, in the Department of Mining Engineering, Indian Institute of Engineering Science & Technology (IEST), Shibpur, Howrah-711103.

**Name of the post:** Junior Research Fellow (JRF)

**No of post:** Two (02)

**Project Duration:** 2 years

**Essential Qualification:** M.Tech./M.E./M.Sc.(Engg)/M.Sc. in Computer Science/ Information Technology/ Electronics/ Electrical Engg./ Mining Engg.. or allied branches from a recognized University/Institute with minimum 60% marks or 6.5 CGPA (in the qualifying degree). For SC/ST/ Person with Disability (PwD) category, a minimum 55% marks or 6.0 CGPA in the qualifying degree is required. Previous GATE/NET qualification is mandatory. B.E./ B.Tech candidates from reputed University/Institute may also be considered with minimum 80% marks or 8.5 CGPA (in the qualifying degree) and GATE qualification.

**Desirable Qualification:** (1) Knowledge in AI/ML (2) Experience in Python coding.

**Age Limit:** Maximum 32 years, (Upper age limit is relaxable up to 5 years for SC/ST/OBC/Woman and Physically handicapped candidates).

**Fellowship:** Rs. 37,000/- + Rs. 11,100/- (HRA) = Total Rs. 48,100/- per month.

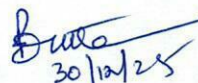
Interested eligible candidates should e-mail soft copies of the application letter in plain paper, recent CV, mark sheets and certificates to Dr Ruchira Naskar (ruchira@it.iests.ac.in). All documents should be self-attested and merged in a single pdf file. Physical documents will be verified at the time of interview. The selection will be canceled if any discrepancies are found in the documents at the time of physical verification.

**Last date to apply:** 9th January, 2025 5:00 PM

**Tentative Time and Venue of the interview:** Interview will be held tentatively on 16th January, 2025 (Friday) at 11.00AM, in the Meeting Room, Department of Mining Engineering, IEST, Shibpur.

**Note:**

1. Email in advance with subject line of "Application for JRF under CMPDI Project" to Dr Ruchira Naskar, Co-Investigator. (Email to ruchira@it.iests.ac.in)
2. Shortlisted candidates will be invited for an interview.
3. The interview related details will be intimated to the shortlisted candidates through email and phone.
4. All applications must mention a valid e-mail id and phone number for communicating related to interview.
5. The position is purely temporary.
6. No TA /DA will be paid for attending the interview.

  
30/12/25  
Dean (R & C)

(W. Code DRC-037/25-26)

  
**Prof. Pratik Dutta**  
Dean, Research & Consultancy  
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