



INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT

ADVERTISEMENT NO: R&D/1257/DEC/462

DATED: 21.04.2025

Project No: R&D/SP/CEE/DEC/2025-26/1257

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

1. (a) Name of the temporary assignment : Junior Research Fellow (JRF)
(b) Number of Post : 1 (ONE)
(c) Duration of the Post : **1 year which can be extended up to 1.5 years (assessment shall be done in every six months for the extension)**
2. Name of the temporary research project : Development of deep learning AI tools to encounter the challenges faced by geophysical investigations in detecting coal mine cavities.
3. Name of the sponsoring Agency : Texmin Foundation, Institute Innovation Hub (IIT ISM Dhanbad) (i2h)
4. Consolidated Fellowship/Salary : Rs. 37,000/- pm as applicable [Appropriate increment in fellowship will be provided as per funding agency guidelines].
5. Qualifications & Experience : M Techn Civil Engineering/Geotechnical Engineering or MSc in /Mining Engineering/Geology.

The candidate should have B.Tech degree in Civil Engineering/Mining Engineering or BSc degree in Mining Engineering/Geology with a minimum CPI of 6.5 or 60% of marks. The upper age limit for applying for the JRF position shall be 32 years. Relaxations for SC/ST/OBC/women/PD will be given as per the GOI rules. Preference (not mandatory) shall be given to GATE (in CE) qualified candidates having experience in the field of “Development of deep learning AI tools encounter the challenges faced by geophysical investigations in detecting coal mine cavities”. Working/research experience in the area of AI models, mining, geophysical investigations and having publication records will be also given preference.

1. Candidates interested in this position and satisfying the qualification criteria should write an email to the project investigator Dr. Arpit Jain (Assistant Professor) & Dr. Amit Kumar Verma (Associate Professor), Dept. of Civil and Environmental Engineering, IIT Patna (Email ids: ajain01@iitp.ac.in & akv@iitp.ac.in).
2. The subject of the email should read as “**JRF Position**”. **The last date for receiving this email is 03/05/2025.**



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3. The email MUST include the scanned/pdf copy of duly filled application form (see below) with applicant's signature. [Note: Sending only resumes/CV by email will not be considered as complete application].
4. The email MUST include self-attested scanned pdf copy of all supporting documents (degree certificates, mark-sheets, GATE scorecard, and category certificate, if applicable).
5. The application should also include a brief Academic CV not exceeding two pages.

IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by supporting documents as listed above.

All candidates who apply via email by 03/05/2025 (Deadline) and shortlisted shall be informed regarding the further details by 15/05/2025.

Tentative Date of ONLINE Interview will be informed accordingly. It is the responsibility of the applicant to ensure that they have reliable internet connectivity on the date of online interview.

Assistant Registrar

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



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FORMAT OF APPLICATION FOR JRF

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			
Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 th Class		
	12 th Class		
	Bachelors (B.Sc/B.Tech/B.E.) or equivalent		
	Masters (M.Sc/M.Tech/M.E) or equivalent		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E.)	
(M.Sc/M.Tech/M.E)	
Others	

Publication records (if any):

Signature of applicant

Date:

Place: