



Indian Institute of Technology (ISM), Dhanbad

Project Staff (JRF) position under TEXMiN Project

Applications are invited under the sponsored project. The details of the project are as under

Position	Junior Research Fellow (JRF)
Number of Position(s)	One (01)
Title of The Project	Mineral Prospectivity Mapping of Critical Minerals (Li & REE) in Pegmatite of Koderma Mica Belt using Hybrid CNN Approach
Principal Investigator	Prof. Snjeev Anand Sahu Department of Mathematics and Computing, IIT(ISM) Dhanbad; Jharkhand-826 004; E-mail: sanjeev@iitism.ac.in , Mobile: 9708607865
Tenure of Project	Two Years
Job Description (in maximum of 100 words)	The candidate is expected to do image formation from the geochemical dataset using Origin/Surfer/Corel Draw software and to develop the hybrid and advanced CNN models using Python for the mineral prospectivity mapping. Based on performance and meeting the eligibility criteria the candidate may be subsequently allowed for Ph.D. at IIT (ISM) Dhanbad as per institute norms.
Essential Qualification	1 st division or equivalent CGPA in M. Tech./M.Sc./M.Sc. Tech/Int. M. Tech. in Geology/Geophysics/Mathematics and Computing/Computer Science/Data Analytics/Data Science or 1 st Division or equivalent CGPA in B. Tech/B.E. in Computer Science/Data Science/ Mathematics and Computing. The candidate must have qualified GATE/NET.
Desirable Qualification	Experience with deep learning frameworks such as PyTorch or Tensorflow in the domain of Computer Vision. Hands-on experience in AI/ML project is highly desirable.
Age and Relaxation (if any)	The upper age limit is 30 years at the time of appointment (Age relaxation for SC/ST/OBC/PH candidates as per GoI norms)
Fellowship	Rs. 37,000/- per month + HRA (as applicable, in case hostel accommodation is not provided).
Last Date & Time	20.10.2025 (6.00 PM) Interested and eligible candidates should email a single PDF containing CV, GATE/NET score card, self-attested copies of all the marksheets and certificates starting from class 10th and proof of work-experience (if any) to Principal Investigator at sanjeev@iitism.ac.in on or before 20.10.2025.
Shortlisted candidates will be informed about the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	