| Sanction No and Date | IIT (ISM) Project No. | Date |
|---|---|---|
| DAR/27/2024-25 dated 29/3/2025 | SRDG 1181 G | 16/4/2025 |

## 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 Positions** | 01 |
| **Title of The Project** | AI-Powered Vision Systems for Low-light and Low-visibility Underground Mining Environments |
| **Principal Investigator** | Dr. Sudhakar Kumawat; Department of Mathematics & Computing, IIT (ISM) Dhanbad; Email: sudhakar@iitism.ac.in |
| **Tenure of Project** | 1.5 Years (from 29/3/2025, co-terminus with the project) |
| **Job Description** | To develop computer vision applications tailored for low-light and low-visibility conditions in underground mining environments. Based on performance and meeting the eligibility criteria, the candidate may be subsequently allowed to enroll for PhD at IIT (ISM) Dhanbad. |
| **Essential Qualification** | B.E./B.Tech/M.Tech/MCA/M.Sc in Computer Science, Mathematics, Mathematics & Computing, Electrical Engineering, Electronics Engineering, Artificial Intelligence, Data Science, or related fields. The candidate must have qualified GATE or NET. |
| **Desirable Qualification** | Experience with deep learning frameworks such as PyTorch or TensorFlow in the domain of computer vision. Prior work in Computational Photography is highly desirable. |
| **Age and Relaxation** | As per the norms of the Govt. of India/DST-ANRF for JRF recruitment. |
| **Fellowship** | ₹ 37000/- per month + HRA (as applicable, in case hostel accommodation is not provided) |
| **Last Date & Time** | Interested candidates should email a single PDF [containing (i) CV, (ii) GATE/NET score card, (iii) self-attested copies of all marksheets and certificates starting from 10th class, (iv) proof of work experience (if any)] to PI (both to **sudhakar@iitism.ac.in** and **sudhakar.bm07@gmail.com**), on or before 5 May 2025, 6:00 PM. Candidates should write "**Application for JRF position in TEXMiN Project**" in the subject of email. |

Shortlisted candidates will be informed on 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. The interview will occur in video-conferencing mode; a link for the same will be shared with shortlisted candidates in due course.

**(Signature of PI)**