



## Indian Institute of Technology (ISM) Dhanbad

Office of the Dean (Research & Development)

<b>Sanction No and Date:</b> ANRF/ECRG/2024/002377/ENS Date: 03-06-2025	<b>IIT (ISM) Project No.</b> SRDP 1191 G	<b>Date</b> 11-06-2025
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### Project Staff (JRF) position under ANRF Project

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

<b>Position</b>	Junior Research Fellow (JRF)
<b>No. of Position(s)</b>	01
<b>Project Title</b>	Developing Generalizable AI Models for Drone Imagery in Complex and Varied Indian Landscapes
<b>Principal Investigator</b>	Dr. Sudhakar Kumawat; Department of Mathematics & Computing, IIT (ISM) Dhanbad; Email: <a href="mailto:sudhakar@iitism.ac.in">sudhakar@iitism.ac.in</a>
<b>Tenure of Project</b>	3 Years (From 04-06-2025, co-terminus with the project)
<b>Job Description</b>	The project aims to develop robust, domain-generalized AI models for drone-based aerial imagery that can adapt to India's diverse environments using novel augmentation techniques and semi-supervised learning. It focuses on addressing domain shifts to improve applications like traffic monitoring, disaster response, and infrastructure assessment. Based on performance and meeting the eligibility criteria, the candidate may be subsequently allowed to enroll for PhD at IIT (ISM) Dhanbad.
<b>Essential Qualification</b>	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.
<b>Desirable Qualification</b>	Experience with deep learning frameworks such as PyTorch or TensorFlow in the domain of computer vision. Prior experience in Domain Adaptation or Generalization is highly desirable.
<b>Age &amp; Relaxation</b>	As per the norms of the Govt. of India/DST-ANRF for JRF recruitment.
<b>Fellowship</b>	₹ 37000 (in 1st & 2nd Year) and ₹ 42000 (in 3rd Year) per month + HRA (as applicable, in case hostel accommodation is not available)
<b>Last Date &amp; Time</b>	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 <a href="mailto:sudhakar@iitism.ac.in">sudhakar@iitism.ac.in</a> & <a href="mailto:sudhakar.bm07@gmail.com">sudhakar.bm07@gmail.com</a> ), on or before <b>30 June 2025, 5:00 PM</b> . Candidates should write “ <b>Application for JRF position in ANRF Project</b> ” 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)

*Sudhakar*  
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