




Indian Institute of Technology (ISM) Dhanbad
Office of the Dean (Research & Development)

Sanction No: ANRF/ECRG/2024/004563/PMS Date: 12/06/2025	IIT (ISM) Project No. SRDP 1206 G	Date: 01/07/2025
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Project Staff (JRF) position under ANRF PM ECRG 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)	01
Title of The Project	Mathematical Modeling of Intraneuronal Transport in the Human Brain Using Exclusion Processes: Analysis and Simulation
Principal Investigator	Dr. Atul Kumar Verma, Department of Mathematics and Computing, IIT Dhanbad
Tenure of Project	Maximum three years or till the end of project, whichever is earlier. Selected candidates (based on performance) may be considered for the PhD program at IIT Dhanbad as per institute norms.
Job Description (in maximum of 100 words)	The selected JRF will work on developing mathematical models and computational algorithms to simulate intraneuronal transport processes. Key duties include model formulation, conducting numerical simulations, and validating theoretical findings. The JRF is also expected to contribute to the preparation of research articles, technical reports, and documentation. Active collaboration with the PI and project team on related research tasks is essential.
Essential Qualification	<ul style="list-style-type: none">M.Sc./Int. M.Sc./M.Tech/Int. M.Tech/B.Tech in Mathematics, Computer Science, Mathematics and Computing, or any other related fields.Valid NET/GATE qualification.
Desirable Qualification	<ul style="list-style-type: none">Strong Applied Mathematical background.Proficiency in either of C, C++, MATLAB, MATHEMATICA, or Python programming.
Age and Relaxation (if any)	As per the norms of the Govt. of India/ANRF for JRF recruitment.
Fellowship	Rs. 37000 + HRA for 1 st and 2 nd years and Rs. 42000+HRA for 3 rd year (HRA will be provided in case hostel accommodation is not available.)
Last Date & Time	Interested candidates should email a single PDF [containing (i) CV, (ii) GATE/NET score card, (iii) self-attested copies of all mark sheets and certificates starting from 10th class, (iv) proof of work experience (if any)] to PI atulverma@iitism.ac.in on or before 27 July 2025, 6:00 PM . Candidates should write “ Application for JRF position in ANRF Project ” in the subject of the email.
Shortlisted candidates will be informed about the date of interview via email. 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.	


(Signature of PI) 01/07/2025