



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

Sanction No and Date: ARDB/01/1072174/M/I (Project No: 1072174), 13.03.2025	IIT (ISM) Project No. SRDP 1170 G	Date 10.06.2025
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Junior Research Fellow (JRF) position under DRDO (ARDB) Project

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

Position	Junior Research Fellow
Number of Position (s)	01 (One)
Title of The Project	Design of Mechanical Metasurfaces for Wave Isolation Applications by Developing a Large Deformation Peridynamics Shell Model
Principal Investigator	Dr. Pranesh Roy (Civil Engineering, IIT (ISM) Dhanbad)
Tenure of Project	08-05-2025 to 08-05-2028 (3 years). The position is temporary and co-terminus with the project.
Job Description (in maximum of 100 words)	The Junior Research Fellow (JRF) is required to develop computer programs and carry out numerical simulations of wave propagation through mechanical metasurfaces. The JRF may need to visit SMSS lab, IIT Kanpur occasionally to perform experiments. The JRF will also prepare reports on the algorithms, flowcharts, and publish research papers in reputed international journals. The selected candidate may be allowed to enroll for the Ph.D. program if the required criteria for Ph.D. admission to IIT (ISM) Dhanbad are satisfied.
Essential Qualification	<ul style="list-style-type: none">• Candidates should have M. Tech./M. E. in Civil Engg./Structural Engg./Aerospace Engg./Applied Mechanics with first class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale) and also have GATE/NET qualification.• B.E./B.Tech. in Civil Engineering
Desirable Qualification	Experience in FORTRAN/MATLAB/ANSYS/ABAQUS will be useful.
Age and Relaxation (if any)	The upper age limit is 28 years at the time of appointment. (Age relaxation for SC/ST/OBC/PH/Female candidates, if applicable, should be as per GOI rules.)
Fellowship	JRF @ Rs. 37000/- per month for 1 st & 2 nd year, SRF @ Rs. 42000/- per month for 3 rd year
Last Date & Time	June 30, 2025, 5:00 PM
Application procedure	Interested and eligible candidates are requested to email their CV, mark sheets, certificates, experience certificates in a zipped file to the Principal Investigator (Email: pranesh@iitism.ac.in) before 5 PM on June 30, 2025.

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 shortlisted 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.

Pranesh Roy
10.06.2025

(Signature of PI)