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

Sanction No. and Date: **ANRF/ARG/2025/000835 Dated 30/03/2026**	**IIT (ISM) Project No. SRDP 1296 G**	Date: 21st May 2026

Junior Research Fellow position under ARG(ANRF) Project

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

Position	ANRF Junior Research Fellow (ANRF JRF)
Number of Position (s)	One (01)
Title of The Project	Development of Reservoir-on-a-Chip: an Electrically Assisted Platform handling polymeric fluids for enhanced oil recovery application
Principal Investigator	Dr. Antarip Poddar (Assistant Professor), Department of Mechanical Engineering, Indian Institute of Technology (ISM) Dhanbad, Dhanbad – 826004 (Jharkhand), Email: antarip@iitism.ac.in, Phone no.: +91 8902683894 (Mobile).
Co-Principal Investigators	1) Dr. Pawan Singh, Associate Professor (Mechanical Engineering) Indian Institute of Technology (Indian School of Mines) Dhanbad, Email: pawan_singh79@yahoo.com 2) Dr. Chandi Sasmal, Assistant Professor (Chemical Engineering), Indian Institute of Technology Ropar, Email: csasmal@iitrpr.ac.in
Tenure of Project	The position is purely temporary and co-terminus with the project, initially for a period of three years. The selected candidate will be allowed (based on performance) to enroll for Ph.D. program, if the required criteria for Ph.D. admission of IIT (ISM), Dhanbad are satisfied.
Job Description (in Maximum of 100 words)	The selected JRF will work on developing the experimental test set up and performing numerical simulations. The candidate will also be involved in data compilation, report writing, publishing papers and patents.
Essential Qualification	• B.Tech./B.E. in Mechanical/Chemical Engineering or in allied fields. • Candidate must be GATE qualified. • Candidates awaiting their result for M.Tech. (must be GATE qualified) degree are also eligible to apply.
Desirable Qualification	• M.Tech in Thermofluidic Sciences or allied fields. • Prior experience of microfluidics experiments or multiphase flow simulations using OpenFOAM
Age and Relaxation (if any)	The upper age limit is 32 years at the time of application (Age relaxation for SC/ST/OBC/PWD/Female candidate as per GoI rule).
Fellowship	Rs. 37000/- for first 2 years and Rs. 42000/- pm for 3rd year. (Campus accommodation will be provided.)
Last Date & Time	Jun 4th, 2026, 6:00 pm

Application Procedure	Interested Candidates should submit the application as a single PDF containing scanned certificates regarding **educational qualification (10th onwards), age proof, GATE score card, along with their detailed CV** by E-mail to antarip@iitism.ac.in indicating the project title on or before Jun 4th, 2026, 6:00 PM.
Shortlisted candidates will be informed via email for interview. No TA/DA will be paid to attend the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview.	

Antarip Poddar

(Signature of PI)