



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

Sanction No and Date:	IIT (ISM) Project No.	Date
ANRF/ECRG/2025/002793/PMS; Dt. 27/08/2026	SRDP 1408 G	14/10/2026

ANRF Junior Research Fellow (JRF) position under the ANRF PMECRG Project

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

Position	ANRF Junior Research Fellow (JRF)
Number of Position (s)	1 (One)
Title of The Project	Complexity-Aware Hamiltonian Engineering for Non-Ergodic Quantum Dynamics
Principal Investigator	Dr. Sudipto Singha Roy
Tenure of Project	Till 02/09/2029 or co-terminus with the project, whichever is earlier. Appointment: maximum three years or till the end of the project, whichever is earlier.
Job Description (in maximum of 100 words)	The selected candidate will carry out theoretical and numerical studies of non-ergodic quantum dynamics and Hamiltonian engineering. This includes developing and running simulation codes on the project's GPU workstation, analysing the results, and preparing reports and manuscripts. The candidate will ensure the timely and successful completion of the project work in consultation with the PI.
Essential Qualification	1. M.Sc. (Physics) with 1 st class or min 60% marks / 6.0 CGPA (if class is not awarded) 2. Valid CSIR-UGC NET (including LS) or GATE qualification
Desirable Qualification	Knowledge of quantum mechanics and quantum many-body physics; programming experience (Python/Julia/C++); familiarity with numerical methods for quantum dynamics.
Age and Relaxation (if any)	As per ANRF norms (Relaxable for SC/ST/OBC/PH candidates as per GOI norms)
Fellowship	Junior Research Fellow (JRF): ₹ 37,000/- PM + (admissible HRA if staying outside the campus) for the first two years. Senior Research Fellow (SRF): ₹ 42,000/- PM + (admissible HRA if staying outside the campus) in the third year. Upgradation from JRF to SRF and the SRF conditions will be as per DST O.M. No. DST/PCPM/Z-06/2022 dated 26.06.2023.
Last Date & Time	03/11/2026; 6:00 PM Applications quoting the project no. "ANRF/ECRG/2025/002793/PMS" along with supporting documents should be sent to the PI (Dr. Sudipto Singha Roy) via E-mail to sudipto@iitism.ac.in
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. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	

Sudipto Singha Roy
(Signature of PI)

14/10/26