



INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

Research & Development Office

ADVERTISEMENT NO. SPON/10485/Advt0305 DATED 22.08.2026

Applications are invited for a temporary position of Junior Research Fellow (JRF) at IIT Gandhinagar. The details are as below:

Name of PI	Dr. Abhinav Jha	Department	Mathematics
Project title	Advances in Domain Decomposition Method for Implicit Solvation Models		
Designation	Junior Research Fellow (JRF)		
Number of positions	1		
Application Link	http://recruitment.iitgn.ac.in/projectstaff/		
Last date of application submission	31st August 2026		
Consolidated Monthly Remuneration including HRA	₹40,700/- p.m. (including HRA of ₹3,700/- p.m)		
House Rent Allowance per month (If applicable)	₹3,700/- p.m		
Duration of appointment	1 Year (Extendable)		
Eligibility Norms ¹	☐ Institute norms	☒ Funding Agency norms	
Essential Qualification/Experience as per the norms ¹	Post Graduate Degree in Basic Science OR Graduate I Post Graduate Degree in Professional Course selected through a process described through any one of the following: (a) Scholars who are selected through National Eligibility Tests, CSIR-UGC NET, including lectureship (Assistant Professorship) and GATE. (b) The selection process through the National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER, etc. The percentage/grade points with respect to the academic qualification will be a minimum 60% or equivalent grade from graduation onwards and 55% or equivalent grade in class 10th and 12th.		
Desirable Qualification/Experience	Master's degree in Mathematics, Applied Mathematics, Computational Mathematics, Numerical Analysis, Scientific Computing, Computational Science, or a related discipline. Strong background in functional analysis, numerical analysis, partial differential equations, finite element methods, domain decomposition methods, scientific computing, or computational mathematics. Programming experience in Python, C++, MATLAB, or Fortran will be preferred.		
Job Description	The project will focus on the mathematical analysis and numerical solution of linear and nonlinear Poisson-Boltzmann equations. The work will involve domain decomposition methods, convergence analysis, Fast Multipole Method-based algorithms, scientific computing, and the implementation and testing of algorithms in the open-source ddX software.		
Contact	Prof. Abhinav Jha, Assistant Professor, Mathematics Email: abhinav.jha@iitgn.ac.in		

Merely fulfilling minimum eligibility criteria does not entail a call for written test/ interview for the selection. Only candidates shortlisted based on better qualification and quality of relevant experience shall be called for written test/ skill test/interview etc. The authorities reserve all rights, not to call an applicant for selection test or not to fill up a position through this round of selection process without assigning any reason.