



NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance, Ministry of Education, Govt. of India)

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Date: 11-Apr-2025

Department of Information Technology (IT)

Advertisement for the Post of Junior Research Fellow (JRF) in ISRO Sponsored Project

Applications are invited from eligible candidates for the position of **Junior Research Fellow (JRF)** on a purely time-bound research project undertaken by the **Department of IT** under the sponsorship of **ISRO RESPOND**.

Title of the Project	Quantum Memory Development
Project Investigator(s)	• Project Investigator (PI): Dr. Kapil Kumar Soni (Contact No.: +91-99934-51386) • Co-Project Investigator (Co-PI): Dr. Sanjay Kumar (Contact No.: +91-94077-14701)
Name of the Position	Junior Research Fellow (JRF)
Number of Vacancy	One (01) Only
Area of Research	Quantum Information, Quantum Network, Quantum Key Distribution
Consolidated Fellowship	₹ 37,000/- + 20% HRA (Per Month)
Funding Agency	Indian Space Research Organisation (ISRO) – Under RESPOND Programme
Duration of the Project	One Year Six Months (1 Year 6 Months)
Nature of Appointment	The initial appointment is for six months, with a possibility of extension in successive six-month periods, subject to satisfactory performance, until the project concludes.
Essential Qualifications	• B.E. / B.Tech. & M.E. / M.Tech. (Information Technology / Computer Science and Engineering) OR Equivalent with first class from recognized Institute / University. OR • B.E. / B.Tech. (Information Technology / Computer Science and Engineering) / MCA / M.Sc. (Information Technology / Computer Science and Engineering) or Equivalent with first class from recognized Institute / University.
Desirable Qualifications	• Applicant should have the GATE or CSIR / UGC NET Qualification. • Applicant with the research work in quantum computing, having experience relevant to the project domain, and research publications support in quantum domain will be preferred. • Applicant should have proficiency in IBM Qiskit Programming.
How to Apply Detail	• Interested applicants may send the Application (Refer to Submission Instruction) to the Email-ID: isroqmd.nitr@gmail.com. In case of any queries, please contact PI / Co-PI.
Submission Deadline	• The complete application must reach to the specified email-id on or before 26-Apr-2025.
Submission Instructions	• Complete Application (A Single PDF) must be sent with a subject, “Application for the JRF Position in Quantum Memory Development”, else, application may be discarded. • Complete Application (A Single PDF) should contain all requisite Enclosure(s) in a given sequence – 1 Application Form and Undertaking – (Refer to Annexure-1 & Annexure-2), 2 Aadhar Card and Category Certificate, 3 Educational Qualification Certificates, 4 GATE / CSIR-UGC NET Certificate, 5 Experience Certificates, 6 Publications Proof.
Written Test & Interview	• 29-Apr-2025 (A notification email would be sent to the shortlisted candidates only).
Other Terms & Conditions	1. Only shortlisted candidates will be notified through email to appear in Written Test Exam and for the Interview, and no other communication in this regard will be entertained. 2. The position is purely temporary and may be extended in the successive six-month periods, subject to satisfactory performance, until the project concludes. 3. Selected candidates shall not be permitted to claim any regular or part-time appointments in this Institute or any other organization during this period. 4. Incomplete applications or containing false information will be summarily rejected. 5. The candidates have to attend the selection process In-person. No TA/DA will be paid for attending the written test examination and interview.
Note: Applicants are strongly advised to read the complete advertisement carefully before submitting their application.	