Adv. No.: NITRR/IT/2025/14514   **Date:** 09-May-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.nitrr@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 **19-May-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	• **22-May-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.

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Annexure-1 (Application Form)

1. **Name of the Applicant:**		
2. **Correspondence Address:**		**Recent Passport Size Photo**
3. **Date of Birth:**	**4.** **Gender:** Male / Female	
5. **Nationality:**	**6.** **Category:** Gen/OBC/SC/ST	
7. **Contact No:**		
8. **Email-ID:**		
9. **Highest Qualification:**		
10. **Area of Expertise:**		
11. **Work Experience (In Months):**		

12. **Details of Academic Qualifications (Starting from UG Degree Onward) (Please Attach Self-Attested Certificates)**

Name of the Qualification	Specialization (Branch / Stream)	University / Institute Name	% Marks / CGPA

13. **Details of Relevant Work Experience (Please write in chronological order) [Please Attach Self-Attested Certificates]**

Institute / Organization	Designation	Duration

14. **No. of Publications (Journals/Book Chapters/Conferences) [Attach Proof]:**	
15. **Whether GATE / CSIR-UGC NET Qualified [Attach Proof]:**	
16. **Rate your Skills on the following domain specific knowledge [between 1 (min) to 10 (max)]:**	
Quantum Computing Fundamentals	
Quantum Networks and Cryptography	
Quantum Programming (IBM Qiskit)	
17. **Any Other Relevant Information:**	

Date:

Place: **Signature of the Applicant**

Adv. No.: NITRR/IT/2025/14514   **Date:** 09-May-2025

Annexure-2 (Undertaking)

I _____ understand that it is a contractual engagement on a purely temporary basis for a project titled "**Quantum Memory Development**". I declare that the information provided in the application form is correct to the best of my knowledge and belief. I understand that action can be taken against me if these are found to be incorrect. I agree to all the general terms and conditions of the public **Advertisement No. NITRR/IT/2025/14514 (Dated 09-May-2025)** of **National Institute of Technology Raipur** for **ISRO Sponsored Project – Under RESPOND Programme.**

Date:

Place: **Signature of the Applicant**