



NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

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

Great Eastern (G. E.) Road, Raipur - 492010 (Chhattisgarh)

Phone No.: +91-771-254200

Fax No.: +91-771-2254600

Website: www.nitr.ac.in

Adv. No.: NITRR/IT/15209

Date: 10-Oct-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 22-Oct-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.
Date of Interview	24-Oct-2025 (A notification email would be sent to the shortlisted candidates only).
Other Terms & Conditions	- Only shortlisted candidates will be notified through email to appear in the Interview, and no other communication in this regard will be entertained. - The position is purely temporary and may be extended in the successive six-month periods, subject to satisfactory performance, until the project concludes. - Selected candidates shall not be permitted to claim any regular or part-time appointments in this Institute or any other organization during this period. - Incomplete applications or containing false information will be summarily rejected. - The candidates are requested to attend the selection process In-person. No TA/DA will be paid for attending the 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:				Recent Passport Size Photo
2. Correspondence Address:				
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



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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/15209 (Dated 10-Oct-2025) of National Institute of Technology Raipur for ISRO Sponsored Project – Under RESPOND Programme.

Date:

Place:

Signature of the Applicant