

## 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.nitrr.ac.in

**Adv. No.:** NITRR/IT/2025/14409 **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.** 

Project Investigator (8)  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) Junior Research Fellow (JRF)  One (01) Only  Area of Research Quantum Information, Quantum Network, Quantum Key Distribution  Sonsolidated Fellowship Quantum Information, Quantum Network, Quantum Key Distribution  Sonsolidated Fellowship Quantum Information, Quantum Network, Quantum Key Distribution  Sonsolidated Fellowship Quantum Information, Quantum Network, Quantum Key Distribution  Sonsolidated Fellowship Quantum Information, Quantum Network, Quantum Key Distribution  Sonsolidated Fellowship Quantum Information, Quantum Network, Quantum Key Distribution  One Year Six Months (1 Year 6 Months)  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.  B.E. / B.Tech. & M.E. / M.Tech. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) or Equivalent with first class from recognized Institute / University.  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.  Interested applicants may send the Application (Refer to Submission Instruction) to the Email-ID: isroquantian may teach to the specified email-id on robefore 26-Apr-2025.  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 giver sequence—I Application (A Single PDF)		
Co-Project Investigator (Co-Pl): Dr. Sanjay Kumar (Contact No.: +91-94077-14701)	Title of the Project	Quantum Memory Development
Aure of Research Quantum Information, Quantum Network, Quantum Key Distribution Quantum Information, Quantum Information, Quantum Computer Science and Engineering) (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering) / MCA M.Sc. (Information Technology / Computer Science and Engineering / MCA M.Sc. (Information Technology / Computer Science and Engineering / MCA M.Sc. (Infor	Project Investigator(s)	
Quantum Information, Quantum Network, Quantum Key Distribution  2 37,000/- + 20% HRA (Per Month)  Indian Space Research Organisation (ISRO) – Under RESPOND Programme  One Year Six Months (1 Year 6 Months)  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.  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.  Oesirable Qualifications  Desirable Qualifications  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.  Applicant should have the GATE or CSIR / UGC NET Qualification.  Applicant should have the GATE or CSIR / UGC NET Qualification.  Applicant should have proficiency in IBM Qiskit Programming.  Interested applicants may send the Application (Refer to Submission Instruction) to the Email-ID: isroqund.nitr/@gmail.com. In case of any queries, please contact PI / Co-PL.  The complete Application must reach to the specified email-id on or before 26-Apr-2025.  Complete Application (A Single PDF) must be sent with a subject, "Application for the JRF Position in Quantum Memory Development", else, application memory Development", else, application memory Development and Undertaking – (Refer to Application Prontal Agrae of the Interview of the Interview, and no other communication in this regard will be entertained.  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.  The posit	Name of the Position	Junior Research Fellow (JRF)
Sample   S	Number of Vacancy	One (01) Only
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One Year Six Months (1 Year 6 Months)   Stature of Appointment	Consolidated Fellowship	₹ 37,000/- + 20% HRA (Per Month)
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JRF Position in Quantum Memory Development", else, application may be discarded.  Complete Application (A Single PDF) should contain all requisite Enclosure(s) in a giver 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  Output  Only shortlisted candidates will be notified through email to appear in Written Test Examand for 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 have to attend the selection process In-person. No TA/DA will be paid for attending the written test examination and interview.	Submission Deadline	• The complete application must reach to the specified email-id on or before 26-Apr-2025.
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