



About: Applications are invited from interested and motivated candidates for the posts of Junior Research Fellow (JRF) / Research Associate-I (RA-I) on the research project sponsored by the Department of Science & Technology (DST), Government of India, under the National Quantum Mission (NQM) . The positions will be purely on contractual basis as per the following details:		
Position	Junior Research Fellow (JRF) / Research Associate-I (RA-I)	Number of Vacancy: 09 (07 JRF + 02 RA-I)
Funding Agency	Department of Science & Technology (DST), Government of India - National Quantum Mission (NQM)	
Project Title	Quantum and Classical Machine-Learning-Enabled Detection, Quantification, and Certification of Quantum Entanglement for Quantum Circuits and Secure Communication.	
Investigators	Pilani Campus: Prof. Ashutosh Bhatia, Prof. Sainath Bitragunta, Prof. Jayendra Nath Bandyopadhyay, Prof. Yashvardhan Sharma; Goa Campus: Prof. Kunal Kishore Korgaonkar; Hyderabad Campus: Prof. G. Geetha Kumari.	
Project Tenure	2 Years as JRF + Third year onwards as SRF after performance evaluation (Total 3 Years) 3 Years as RA-I	
Project/Job Description	The selected candidates will work on classical Machine Learning (ML) and Quantum Machine Learning (QML) for the detection, classification, quantification, and certification of quantum entanglement . Work will include quantum-circuit design/execution, measurement-based dataset generation, ML/deep-learning and hybrid quantum-classical model development, quantum-state characterization, and applications to secure quantum communication. Positions are available at Pilani, Goa, and Hyderabad Campuses .	
Qualification	JRF - Computer Science/Engineering (No. of Positions 6): First-class M.E./M.Tech. or equivalent in CSE / CS / AI / Data Science / IT / Quantum Computing or allied disciplines; candidates must satisfy DST JRF eligibility through NET/GATE or the prescribed national-level selection process. JRF – Physics (No. of Positions 1): M.Sc./M.S. or equivalent in Physics / Applied Physics / Quantum Science & Technology / Mathematical Physics or allied disciplines; NET/GATE or the prescribed national-level selection process as per DST norms. Research Associate-I (No. of Positions 2): Ph.D./equivalent in Computer Science/Engineering or allied disciplines; OR M.E./M.Tech. or equivalent with three years of research/teaching/design & development experience after the postgraduate degree and at least one SCI-indexed research paper, as per DST norms.	
Upper Age Limit	As per applicable DST / Government of India norms.	
Fellowship/Stipend	JRF: Rs. 37,000/- per month; RA-I: Rs. 58,000/- per month SRF: Rs. 42,000/- per month	
Registration for PhD	Selected JRF candidates may be permitted to register for the PhD program of BITS Pilani, subject to institute norms.	
How to Apply	Apply online at: https://ashutosh-bhatia.github.io/nqm-project/#careers Select the preferred campus and position (JRF / RA-I) in the application form. Please contact at ashutosh.bhatia@pilani.bits-pilani.ac.in for any query.	
Selection Process	Candidates will be shortlisted based on merit, relevant experience, and project requirements. Shortlisted candidates will be informed of the interview, which may be conducted online/offline. Only qualified and suitable candidates will be called for interview.	