

Recruitment for the Position of JRF , SRF and Project Engineer in MeitY-funded Project

Project Title: “Development of Quantum Error Correction Appliance for Superconducting Quantum Computers using Rudra Server”

Sanction No.: 4(6)/2026-ITEA

Principal Investigator: Prof. Amlan Chakrabarti

Project Duration: Three (03) years

Last Date for Submission of Application: 30th Sept 2026

POSITIONS / QUALIFICATION / EXPERIENCE / EMOLUMENTS

Name of Position(s)	No. of Position(s)	Essential Qualifications	Desirable Experience / Knowledge	Salary / Emoluments
Junior Research Fellow (JRF)	Three (3)	B.Tech. in CSE/ IT /Electronics/Electrical Engineering or allied discipline OR M.Tech. in a relevant discipline OR M.Sc. in Computer Science/Physics/Mathematics or related discipline OR MCA	Quantum algorithms/circuits; QEC/QEM; quantum simulation and noise modelling; Qiskit/Qiskit Dynamics; quantum compiler/transpilation; Python/C++; BQSKit. GATE/NET desirable.	₹48,000/month (Year 1-2); ₹55,000/month in Year 3 on upgrade to SRF, subject to applicable norms.
Senior Research Fellow (SRF)	Two (2)	B.Tech. in CSE/ IT /Electronics/Electrical Engineering or allied discipline OR M.Tech. in a relevant discipline OR M.Sc. in Computer Science/Physics/Mathematics or related discipline OR MCA AND Two years of relevant research experience.	Quantum computing/QEC-QEM; noise modelling; Qiskit/Qiskit Dynamics; FragQC; quantum compiler, transpilation, mapping and scheduling; BQSKit; hardware-aware computing considering decoherence/fidelity; Python/C++.	₹55,000/month
Project Engineer	One (1)	B.Tech. or M.Tech. in CSE/IT /Electronics/Electrical Engineering or allied discipline.	Software architecture and module integration; quantum software; compiler/toolchain development; Python/C++; Linux/HPC. Quantum computing/QEC-QEM experience desirable.	₹63,000–₹76,000/month (Year 1-3)

ADDITIONAL INFORMATION / TERMS

- Appointments are purely temporary and co-terminus with the project.
- Appointment, eligibility, selection, service conditions and upgradation shall be governed by applicable University of Calcutta rules and sanctioned MeitY project conditions.
- Mere fulfilment of minimum eligibility does not guarantee selection. Relevant research/project experience, publications and practical expertise will be preferred.
- Shortlisted candidates will be informed by email. No TA/DA will be paid for the interview.
- Selected candidates may be required to work at the University of Calcutta and/or project-related facilities and undertake work assigned by the Principal Investigator.
- The University reserves the right to shortlist candidates, relax/modify eligibility where permitted, or not fill any position according to project requirements and applicable rules.

SEND CURRICULUM VITAE (CV) TO

Email: acakcs@caluniv.ac.in

Subject: Application for [Position Name] – MeitY