

NQM-QuMaC Lab-TIFR - Application for Quantum Scientist Position: Deadline Tuesday, Dec 23 2025 , 1 pm IST

For any queries, please email qumac.lab@gmail.com. We will respond within 48 hours.

Please read all the details given below carefully and

THEN CLICK NEXT AT BOTTOM OF THE PAGE TO CONTINUE WITH YOUR APPLICATION

Project Position: Quantum Scientist

Number of positions: 1

Position duration: One year (extendable up to 5 years based on performance)

Salary: Rs. 1,20,000 + 27% HRA

Location: Tata Institute of Fundamental Research, Mumbai

No on-campus accommodation will be provided

Principal Investigator: Prof. Rajamani Vijayaraghavan, TIFR

Project: National Quantum Mission (DST) Project under the Technical Group on "Quantum Computers with Superconducting Qubits"

Minimum qualification:

PhD in Physics/ Engineering in the area of superconducting quantum circuits (Candidates who have submitted their thesis submitted can apply)

Required experience:

Minimum 5 years (inclusive of PhD years) in

- Design, fabrication and measurement of superconducting qubits
- Qubit/ Hamiltonian simulations in softwares like QuTiP
- Microwave signal generation and detection,
- Operation of dilution refrigerator
- One peer reviewed publication in superconducting quantum circuit related work

Position Responsibilities:

- Leading a team comprising of Engineers , PhD students , Project staff and Project students
- Designing, simulating and fabricating superconducting quantum processor units from 10 - 100 qubits
- Setting up new cryogenic experimental stations with measurement and control electronics with capacity up to 100 qubits
- Characterizing single and multi-qubit gates on the quantum processor units

Important Dates:

(All times **Indian Standard Time**)

Application deadline: **Tuesday, Dec 23 2025 1 pm**

Shortlisted candidates will be informed by **Friday, Dec 26, 2025 10 pm.**

Online Interview for shortlisted candidates:

Monday, Jan 5, 2026 to Thursday, Jan 8, 2026 (exact date and time will be communicated later)

Position start date is **Jan - Feb 2026**

NQM-QuMaC Lab-TIFR - Application for Quantum Engineer (RF) Position: Deadline Tuesday, Dec 23 2025 , 1 pm IST

For any queries, please email gumac.lab@gmail.com. We will respond within 48 hours.

Please read all the details given below carefully and

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Project Position: Quantum Engineer (RF)

Number of positions: 2

Position duration: One year (extendable up to 5 years based on performance)

Salary: Rs. 67,000 + 27% HRA

Location: Tata Institute of Fundamental Research, Mumbai

No on-campus accommodation will be provided

Principal Investigator: Prof. Rajamani Vijayaraghavan, TIFR

Project: National Quantum Mission (DST) Project under the Technical Group on "Quantum Computers with Superconducting Qubits"

Minimum qualification:

BTech in Electrical/Electronics/Communications

Required experience:

Minimum 6 years' experience in industry/academia after graduation in

- RF/Microwave PCB Design
- Microwave finite element simulation (HFSS, Comsol, Keysight ADS etc)
- Design of high speed signal circuits
- Analog/Digital Signal processing
- Scripting/coding abilities (Python etc)
- Experience in research environment in academia/industry
- Experience in product design

Position Responsibilities:

- Leading a team comprising of Project staff , Project students and Junior PhD students
- Designing and simulating RF PCB's and sample enclosures for Quantum Processor Units up to 100 qubits.
- Coordinating with external vendors to get the PCB's and sample enclosures fabricated and assembled.
- Testing and characterization of fully assembled QPU enclosures
- Designing cryogenic wiring assemblies (semi-rigid and high-density flexible wiring)
- Designing, simulating and creating working prototypes of various microwave components like filters, attenuators for semi-rigid and flexible wiring assemblies.

Important Dates:

(All times **Indian Standard Time**)

Application deadline: **Tuesday, Dec 23 2025 1 pm**

Shortlisted candidates will be informed by **Friday, Dec 26, 2025 10 pm.**

Online Interview for shortlisted candidates:

Sunday, Dec 28, 2025 or Monday, Dec 29, 2025 (exact date and time will be communicated later)

Position start date is **Jan - Feb 2026**

NQM-QuMaC Lab-TIFR - Application for Senior Project Associate Positions: Deadline Tuesday, Dec 23 2025 , 1 pm IST

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Please read all the details given below carefully and

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Project Position: Senior Project Associate

Number of positions: 2

Position duration: One year (extendable up to 5 years based on performance)

Salary: Rs. 42,000 + 27% HRA

Location: Tata Institute of Fundamental Research, Mumbai

No on-campus accommodation will be provided

Principal Investigator: Prof. Rajamani Vijayaraghavan, TIFR

Project: National Quantum Mission (DST) Project under the Technical Group on "Quantum Computers with Superconducting Qubits"

Minimum qualification:

Bachelor's degree in engineering or technology/ Master's degree in Physics or Engineering

Required experience:

Minimum 4 years' experience in industry/academia after graduation in one or more of the following areas:

- Design and simulation of RF/Microwave components
- High speed PCB design
- Superconducting qubit design, fabrication, simulation, measurement
- Material growth using techniques like e-beam evaporation, sputtering etc
- Microwave measurements using Vector Network Analyzer and Spectrum Analyzer
- Machine Learning
- Coding in Python
- CAD design using softwares like Solidworks, AutoCAD etc

Position Responsibilities:

- Working as part of a team of Project Staff, Project students and Junior PhD students led by a Quantum Engineer / Quantum Scientist
- Designing and simulating RF PCB's and sample enclosures for Quantum Processor Units up to 100 qubits.
- Coordinating with external vendors to get the PCB's and sample enclosures fabricated and assembled.
- Testing and characterization of fully assembled QPU enclosures
- Designing cryogenic wiring assemblies (semi-rigid and high-density flexible wiring)
- Designing, simulating and creating working prototypes of various microwave components like filters, attenuators for semi-rigid and flexible wiring assemblies.
- Hamiltonian simulations of superconducting qubits
- Fabricating superconducting qubits
- Measurement of superconducting qubits
- Setting up new cryogenic experimental stations with measurement and control electronics with capacity up to 100 qubits

Important Dates:

(All times **Indian Standard Time**)

Application deadline: **Tuesday, Dec 23 2025 1 pm**

Shortlisted candidates will be informed by **Tuesday, Jan 6, 2026 10 pm.**

Online Interview for shortlisted candidates:

Monday, Jan 12, 2026 to Thursday, Jan 15, 2026 (exact date and time will be communicated later)

Position start date is **Jan - Feb 2026**

NQM-QuMaC Lab-TIFR - Application for Administrative Assistant Position: Deadline (extended) Friday, Dec 26 2025 , 1 pm IST

For any queries, please email qumac.lab@gmail.com. We will respond within 48 hours.

Please read all the details given below carefully and

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Project Position: Administrative Assistant

Number of positions: 1

Position duration: One year (extendable up to 5 years based on performance)

Salary Range: Rs. 30,000 - 40,000 + 27% HRA

Location: Tata Institute of Fundamental Research, Mumbai

No on-campus accommodation will be provided

Principal Investigator: Prof. Rajamani Vijayaraghavan, TIFR

Project: National Quantum Mission (DST) Project under the Technical Group on "Quantum Computers with Superconducting Qubits"

Minimum qualification:

Bachelor's degree in any field with preference to science degrees

Required experience:

Minimum 3 years experience after graduation preferably in administrative roles

- Preparing documents for procurement
- Organizing travel, making bookings etc.
- Proficiency in using computers
- Using spreadsheets like Microsoft Excel / Google Sheets etc.
- Using word processing software like Microsoft Word / Google Docs etc.
- Using presentation software like Microsoft Powerpoint / Google Slides etc.
- Writing scientific and technical reports
- Good communication skills in English (oral and written)

Position Responsibilities:

- Assisting the NQM team with various administrative tasks

Important Dates:

(All times **Indian Standard Time**)

Application deadline (extended): **Friday, Dec 26 2025 1 pm**

Shortlisted candidates will be informed by **Wednesday, Jan 7, 2026 10 pm**.

Online Interview for shortlisted candidates:

Monday, Jan 12, 2026 to Thursday, Jan 15, 2026 (exact date and time will be communicated later)

Position start date is **Jan - Feb 2026**

RECRUITMENT NOTICE**Recruitment for the post of Project Research Scientist- I and Project Technical Support –II for ICMR Funded Research**

A call for the post of Project **Research Scientist- I (Medical)** and **Project Technical Support –II** is announced, purely on temporary contractual basis, for the research project titled “**Restricted versus usual/Liberal maintenance fluid Strategy in mechanically ventilated Children: A multicentric open-label randomized trial (ReLiSch-M trial)**”, an ICMR funded research under Dr Abhijit Choudhary (Site Principal Investigator), Associate Professor, Department of Pediatrics, AIIMS Nagpur

The candidate has to apply with a duly filled application in the prescribed format as given in the Google form link given below:

Recruitment of Project Research Scientist –I (Medical) – <https://forms.gle/VeFiST6UzcQGgeur9>

Recruitment of Project Technical Support –II

The application should be submitted with all the necessary qualifying certificates and proof of previous work experience. The tenure for the post initially would be for 12 months, extendable up to the duration of the project based on performance and availability of funds under this research project.

1. The essential qualifications, experience, service tenure and salary are as under:

Sl. No.	Name of Post	Maximum Age limit in years	Qualification	No. of Post	Pay/Month (Approx)
1.	Project Research Scientist – I (Medical)	35 years (As on date of release of advertisement)	MBBS/BVSc/BDS or equivalent	01	Rs. 67,000/- + HRA as admissible
2.	Project Technical Support - II	30 years (As on date of release of advertisement)	12 th in Science + Diploma (MLT/ DMLT / Engineering or equivalent) + Five Years' Experience in relevant subject / field or Three Years Graduate degree in relevant subject field + two years' experience in relevant subject	01	Rs. 20000/- + HRA as admissible

2. Important dates, time, and venue

Last date for filing the application	31 December 2025
Date of the Interview and Reporting Time	Will be intimated via e-mail/ Website Notice

3. Period of engagement: From the date of appointment till 12 months which is extendable up to 2 years depending on extension of project.

4. Nature of duty:

Project Research Scientist - I

- i. Assisting in conducting, monitoring and co-ordinating the activities of the project.
- ii. Assisting in file / administrative file processing.
- iii. Any other duty assigned by the PI
- iv. Report writing

Project Technical support-II

- i. Assisting in conducting, monitoring and co-ordinating the activities of the project.
- ii. Assisting in file/administrative file processing.
- iii. Any other duty assigned by the PI

5. Application and Selection Procedure

1. The application should be filled out online through the Google form link – <https://forms.gle/VeFiST6UzcQGgeur9>
2. The scanned copies of the certificates, including proof of date of birth, educational qualification, and experience, should be uploaded on the Google form link given above.
3. The curriculum vitae of the candidate needs to be filled in the format given in **Annexure I** and uploaded in the Google form.
4. The last date of application will be **31th December 2025**.
5. The mode of selection will be through **personal interviews**.
6. The applications will be screened for eligibility.
7. The applicants may be shortlisted based on their educational qualifications/experience, etc. The notice for the interview, along with the list of shortlisted candidates, will be published on the AIIMS Nagpur website. A call for the interview will be sent to the shortlisted candidates through email.
8. If the number of applicants exceeds 1:10, **an MCQ-based written test** may be conducted.

6. Terms & conditions

1. All the mentioned posts are tenure jobs for a fixed duration under the funded projects.
2. These are not the regular posts under AIIMS Nagpur.
3. Based on this experience, the selected candidate cannot claim permanent employment at AIIMS Nagpur.
4. The appointment will be **purely temporary** for an initial period of 12 months and may be extended based on the performance review.
5. Persons already in regular time scale service under any government organization/ department are not eligible to apply.
6. In case the candidate wishes to resign from the post, he/she should furnish a notice of 30 days.

7. Once the project duration is completed, the tenure is automatically over for all the candidates selected for this project.
8. The candidate should be able to talk fluently in English, Marathi, and Hindi.
9. The appointee agrees to fulfil the norms for output in terms of quality and quantity of the work assigned to him/her, and if the appointee engaged is not able to fulfil the prescribed norms, his/her services will be terminated without giving any notice.
10. The principal investigator reserves the right to terminate the contract with 15 days' notice period.
11. No TA/DA will be provided for attending the interview.
12. Apart from the consolidated salary mentioned per month including HRA, the candidate is not admissible for any other allowances.
13. Submission of wrong or false information during the process of selection shall disqualify the candidature at any stage.
14. Corrigendum/addendum/further information, if any, in respect of this advertisement, will be published on our website only. Hence, the candidates are advised to visit the AIIMS website regularly for further updates.
15. AIIMS reserves the right to cancel/modify the process at any time, at its discretion.
16. The decision of the Competent Authority will be final and binding.

7. Process of Interview

1. Interested candidates must bring a duly filled application form (as per the prescribed format – Annexure 1) along with all the required supporting certificates and documents (in proof of educational qualifications 10th standard onwards from a recognized board/university, work experience, age proof, latest valid caste/reservation certificate, identity proof), a set of self- attested photocopies of all the documents and 2 recent passport-size color photographs at the time of the interview, failing which his/her candidature will not be considered.
2. The applications will be scrutinized by the Selection Committee and only eligible candidates with applications complete in all respects will be allowed for interview.
3. Candidate selection is purely on merit basis and subject to verification of all original documents and fulfillment of required eligibility criteria in all respects.
4. Selected candidate will be notified through email and the interview result will be uploaded on the AIIMS Nagpur website.

In case of queries, please contact:

Dr Abhijit Choudhary

Associate Professor,

Department of Pediatrics,

Site Principal Investigator

Mobile: 8872479496

E-mail: abhijit.choudhary@aiimsnagpur.edu.in

ANNEXURE – 1

Application Form

**Walk-in interview for the posts at AIIMS Nagpur for ICMR-funded project titled
“Restricted versus usual/Liberal maintenance fluid Strategy in mechanically ventilated
Children: A multicentric open-label randomized trial (ReLiSch-M trial).”**

Post applied for (please tick):

- Project Research Scientist – I (Medical)
- Project Technical support-II

(Please read the application form carefully before filling. If filled incorrectly/inappropriately,
your application is liable to be rejected)

1. Name (In Capital Letters):.....
2. Father’s/Husband’s Name:.....
3. Date of Birth (dd/mm/yyyy):.....
4. Age (as on date of advertisement):Years.....Months.....Days
5. Gender (Male/Female/Others/Prefer not to say):.....
6. Nationality:.....
7. Marital Status: unmarried/married/divorcee/widower.....
8. Category (Gen./OBC/SC/ST):
9. Address (Permanent):.....
.....Pincode:.....
10. Address for correspondence:.....
.....
11. Contact Details: Residence :
Mobile :.....
E-Mail ID :.....

Please affix a
recent
passport-size
colour
photograph,
self-attested

12. Particulars of all educational qualifications (commencing with Matriculation or equivalent examinations)

Examination passed or Degree obtained	Board/ University/College	Subject major/ Specialization	Year of Passing	Marks/Grade obtained Percentage
X				
XII				
Graduation				
Post-graduation				
Others				

13. Particulars of Employments/Work experience held in chronological order (from first till present)

Name of the Employer	Designation during Employment	Nature of Work	From date	To date	Reason for Leaving

14. If selected, how much time would you require to join the post:

DECLARATION

I hereby declare that the particulars furnished in this form by me are true to the best of my knowledge and belief. Furnishing of false information or suppression of facts will lead to disqualification and is likely to render the candidate unfit.

Place:

Signature of Candidate

Date :

Name of the candidate

