

## INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

(Electronics and Communications Engineering)

Dated: 03/07/2025

ADVERTISEMENT TO FILL UP PROJECT POSITIONS\*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Dr. Sandeep Kumar Singh**), Department of **Electronics and Communications Engineering** Indian Institute of Technology, Roorkee.

1. Project title: **Towards Trusted-Node-Free Hybrid Quantum Secure Communication Networks**
2. Sponsor of the project: **NQM, DST**
3. Project position(s) and number: **Junior Research Fellow (JRF)/ 02 no., and Research Associate / 01 no.**

Position	No.	Minimum Qualifications	Monthly Emoluments	Job Description
Junior Research Fellow	2	i) M.E/M Tech. in EE/EC/Physics or equivalent with CGPA $\geq 6.0$ ; or B.E./B.Tech. in ECE or equivalent with CGPA $\geq 7.5$ (out of 10.0); ii) Qualified national level test (GATE/NET/etc.) or a degree from a CFTI	37,000/- +HRA for 2 years; 42,000+HRA, after 2 years	Development of quantum key distribution (QKD), FPGA prototyping, quantum routing, software development; project report, and other docs preparation
Research Associate	1	PhD in EE/EC/CS/Physics/eqv. or 3 years' experience after M. Tech. in relevant domain	58,000/- + HRA for 2 years; then 61000 +HRA	Quantum exp. testbed setup, experiments or software development, project work, and budget docs preparation

4. Duration: Two years initially then may extend up to Project Duration until March 2031.
5. Eligible candidates should submit their applications with the **detailed CV, copies of degree/certificates** to the office of Principal Investigator **through email** or produce at the time of the Interview.
6. Preference will be given to SC/ST candidates on equal qualifications and experience.

**Note: The selected candidate may get an opportunity for PhD admission.**

It will be a rolling advertisement until the positions are filled. The first deadline for application to be **submitted to the following email** of Principal Investigator is **09/07/2025**, by 5 PM.

Email: - [sandeep.singh@ece.iitr.ac.in](mailto:sandeep.singh@ece.iitr.ac.in). Tel: +911332285313.

**APPROVED**

Dr. Sandeep Kumar Singh (PI)

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

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