

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
(Electronics and Communications Engineering)

Dated: 08/09/2025

**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. Karun Rawat**), Department of **Electronics and Communications Engineering** Indian Institute of Technology, Roorkee.

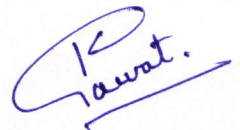
1. Title of project **Development of On Demand Single Photon Emitters, Single Photon Avalanche Detectors, High-Frequency Devices and InP-Based Epitaxial Semiconductors.**
2. Sponsor of the project: **T-Hub, IIT Delhi under NQM Scheme by DST, New Delhi.**
3. Project position(s) and number: **Research Associate -II (one position)**
4. Qualifications: **PhD degree or having 3 years of research, teaching, design and development experience after MB/MTech with at least two research paper in science citation Indexed (SCI) journal. The candidate must have carried research related to RF or analog circuit design.**
5. Emoluments: **61000/- + HRA (or as per DST norms).**
6. Duration: **1 year or until the completion of project.**
7. Job description: **Selected candidate will be involved in research related to (LNA) design for Low noise amplifier. Development of on Demand Single Photon Emitters, single Photon Avalanche Detector, High-Frequency Devices and InP-Based Epitaxial Semiconductors. He/She is expected to publish the related research findings, journal or conferences etc. He/She assist in preparing project progress for sponsoring agency. He/She will be responsible for RF Design, investigating various circuit topologies, plan for purchase of various components to design & implement the LNA. He/She is should abide the rules and regulations of the host institution.**
8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
9. Application in plain paper with a detailed CV including chronological discipline of degree/certificates obtained.
10. Experience certificates including research, industrial field, and others.
11. Attested copies of degree/certificate and experience certificate.
12. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
13. Preference will be given to SC/ST candidates on equal qualifications and experience.
14. Please note that no TA/DA is admissible for attending the interview.

**The walk-in interview will be held at 4 pm on 22<sup>th</sup> Sept 2025 at ECE Conference Room, in ECE Department, IIT Roorkee.**

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



**Dr. Karun Rawat**  
(Principal Investigator)

**APPROVED**



Sponsored Research & Industrial Consultancy  
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