

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Electronics and Communication)

Dated: 25th June 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 **Prof. Darshak Bhatt**, Dept/Centre of Electronics and Communication Engineering, Indian Institute of Technology, Roorkee.

1. Title of project: Design of 100+ Gbps Optical Transceivers for Onboard and Inter-Satellite Communication
 2. Sponsor of the project: **ANRF ARG, Dept. of Science & Technology, Government of India.**
 3. Project position(s) and number: **Junior Research Fellow (JRF) – 02, Senior Research Fellow (SRF)-01**
 4. JRF/SRF Qualifications: **B.E./B.Tech. in ECE/EEE/EIE or equivalent + GATE/NET Qualified (or) M.E./M.Tech. (with GATE/NET qualification) in ECE/VLSI and related areas (or) M.Tech./B.Tech. from CFTIs meeting the prescribed CGPA criteria. For SRF: In addition to the above qualification, a minimum of 2 years of research/industry experience is required.**
 5. Emoluments: **JRF (Rs. 37000 per month + HRA+ Medical) + SRF (Rs. 42000 per month + HRA+ Medical)**
 6. Duration: **3 years**
 7. Job description: The candidate should have experience with Cadence Virtuoso, foundry PDKs, and ADS simulation tools, along with strong knowledge of analog/mixed-signal circuit design and CMOS technologies. Responsibilities include photonic and electronic circuit design, layout, verification, tape-out support, and chip characterisation. Knowledge of EM simulation tools and electromagnetic modeling of high-frequency structures will be an added advantage.
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email (darshak.bhatt@ece.iitr.ac.in) and google link (<https://forms.gle/suHer5e499popToY7>): <https://forms.gle/suHer5e499popToY7>
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall bring/have along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.

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

The last date for the application to be submitted to the office of the Principal Investigator is **14th July 2026, 11:59PM**. The interview will be conducted online for applicants who meet the minimum eligibility criteria. The date/time of the interview will be communicated only to the shortlisted candidates later.

Email: darshak.bhatt@ece.iitr.ac.in

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

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Dean of Principal Investigator
Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee,
Roorkee-247 667 (INDIA)

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