

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Electronics and Communication Engineering)

Dated: **12 Aug. 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 investigators **Prof. Avirup Dasgupta** and **Prof. Sudeb Dasgupta**, Dept. of **Electronics and Communication Engineering**, Indian Institute of Technology, Roorkee.

1. Title of project: **Compact Modeling of Passives for Cryo-CMOS**
2. Sponsor of the project: **National Quantum Mission, Dept. of Science & Technology, Government of India.**
3. Project position(s) and number: **Research Associate (RA-I) -01**
4. Qualifications: **Ph.D. in ECE/EEE/EIE/Physics/related domain.**
5. Emoluments: **INR 58000 per month + HRA as per rules**
6. Duration: **3 years**
7. Job description: **Research on Cryogenic device physics, experimental characterization at cryogenic temperatures, device modeling, compact model development and PDK generation.**
8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
9. **Candidates desiring to appear for the interview should submit their applications with the following documents to the office of Principal Investigator through email (avirup@ece.iitr.ac.in, cc: sudeb.dasgupta@ece.iitr.ac.in):**
 - **Detailed CV including degree/certificates obtained, and prior research experience.**
 - **Copies of degree/certificate and experience certificates**
10. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
11. Preference will be given to SC/ST candidates on equal qualifications and experience.
12. Please note that TA/DA is not admissible for attending the interview.

Interested candidates are required to apply by **20 September 2025, 11:59pm**. Details of the virtual interview will be communicated with the shortlisted candidates.

Email: **avirup@ece.iitr.ac.in,**
sudeb.dasgupta@ece.iitr.ac.in

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

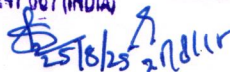


AVIRUP DASGUPTA
Name and signature of Principal Investigator

APPROVED



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


25/8/25 2/8/25