

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Name of Dept./Centre)

Dated: 14 July 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. Avirup Dasgupta**, Dept./Centre **Electronics and Communication Engineering** Indian Institute of Technology, Roorkee.

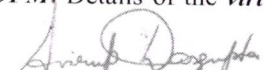
1. Title of project: *Compact Modeling of Passives for Cryo CMOS Design*
 2. Sponsor of the project: *National Quantum Mission, Dept. of Science & Technology, Government of India.*
 3. Project position(s) and number: *Junior Research Fellow (JRF) – 01*
 4. Eligibility qualifications: *Bachelor degree(4 years)/Masters degree + GATE/NET Qualified.*
The requirement for GATE/NET qualification is waived off for candidates with Bachelor's or Master's degree from IITs with CGPA of 8.0 or higher, OR B.Tech./M.Sc. degree with a CGPA of 8.0 and above from Ministry of Education funded Technical Institutions (erstwhile CFTIs or MoE)
 5. Emoluments: *As per the JRF norms of the institute (Rs. 37000 per month + HRA)*
 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 their eligibility 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):*
 - *Detailed CV including degree/certificates obtained, national exams qualified and prior research experience.*
 - *Copies of degree/certificate and experience certificate.*
 8. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 9. Preference will be given to SC/ST candidates on equal qualifications and experience.
 10. Please note that no TA/DA is admissible for attending the interview.
- Note: The selected candidate may get an opportunity for PhD admission.**

Interested candidates are required to apply by **10 August 2025, 11:59PM**. Details of the *virtual interview* will be communicated with the shortlisted candidates.


Email: avirup@ece.iitr.ac.in

Name and signature of Principal Investigator

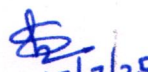
*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.


Avirup Dasgupta

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


17/07/25


17/7/25


17/7/25