

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

Dated: August 25, 2026

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: **Prof. Sudeb Dasgupta**), Dept./Centre: **Electronics and Communication Engineering**, Indian Institute of Technology, Roorkee.

1. Title of project: A novel power-on pilot IC for ultra-low power wireless IoT devices
 2. Sponsor of the project: Ministry of Electronics and Information Technology (MeitY) under C2S programme (Tier-I)
 3. Project position(s) and number: **Junior Research Fellow (01)** under the supervision of (Co-PI: **Prof. Abhay Kumar Sah**)
 4. Essential Qualifications: B.E/B.Tech in ECE or equivalent with GATE or M.E/M.Tech in VLSI/RF & Microwave/Communication Engineering/ECE/or equivalent with GATE
 5. Emoluments: Rs. 37,000 + HRA (as per institute rules)
 6. Duration: Initially. for ONE- year (or end of the project)
 7. Job description: The JRF will be involved in the research and development activities related to the design and implementation of Wakeup Receiver for IoT applications. It consists of developing transmit and receive chains and the corresponding baseband algorithms, and subsequently, implementing them on MATLAB/Simulink. It will also involve documenting and presenting the research outputs to various forums. The candidate is expected to have:
 - Sound knowledge of Linear algebra, Probability theory, Random processes, and Wireless communication.
 - Strong programming skills in C/C++/Python/MATLAB/Simulink etc.
 - Experience in writing papers/patents/technical reports, etc.
- a) Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- b) Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email (sudeb.dasgupta@ece.iitr.ac.in) keeping (smdpc2sstaffl@ece.iitr.ac.in) in CC
- 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.
 - **Subject of the mail should be "Application for the post of JRF in a project entitled (project name)"**
- c) Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
- d) Preference will be given to SC/ST candidates on equal qualifications and experience.
- e) Please note that no TA/DA is admissible for attending the interview.

The interview will be held in the Conference Room at 16 SEP 2026 (10:00 am) ECE

Tel: +91-1332-286415

Email: vlsi-mtech@ece.iitr.ac.in

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

APPROVED

Name and signature
of Principal Investigator

Dean
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Roorkee-247 667 (INDIA)

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