

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Dept. of Electronics & Communications Engineering

Dated: 14/01/2026

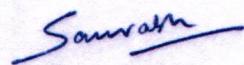
ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

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: **Dr. Saurabh Khanna**), Dept./Centre: **Electronics and Communication Engineering**, Indian Institute of Technology, Roorkee.

1. Title of project: **Compressed Sensing-Based Ultra-High Resolution Automotive FMCW Radars**
2. Sponsor of the project: **SERB (now ANRF)**
3. Project position(s) and number: **Junior Research Fellow (JRF), 01 (one)**
4. Qualifications: (i) **M.Tech in Signal Processing/Communication Systems or equivalent OR/AND (ii) B.Tech in ECE or Electrical Engineering.** In addition, the candidate (UG or PG) must have qualified GATE/CSIR-UGC NET examination, and have a CGPA higher than 7.0 (or $\geq 70\%$) in PG, and ≥ 7.5 in UG (only UG in case ii).
5. Emoluments: **Rs. 37000 per month**
6. Duration: **For 12 months.** Based on performance, the JRF may be given the opportunity to convert to PhD
7. Job description: **Development and HW/SW prototyping of algorithms for FMCW Radar, Matlab-based programming, C-based embedded programming and scripting.** Candidates are expected to have
 - a. **Good knowledge of digital signal processing and linear algebra concepts.**
 - b. **Good programming skills (in C language for embedded system programing, and Matlab)**

1. Eligible candidates desiring to appear for the online interview should email their applications with the following documents to the Principal Investigator (**sakhanna@ece.iitr.ac.in**):
 - Cover letter (email) with detailed CV.
 - Experience including research, industrial field and others.
 - Scanned copies of all UG& PG degree/certificate, marksheets (as applicable) and experience certificate.
2. Preference will be given to SC/ST candidates on equal qualifications and experience.
3. Please note that no TA/DA is admissible for attending the interview.

The last date for application to be submitted by email to the Principal Investigator (**sakhanna@ece.iitr.ac.in**) is **30 January 2026**. The date of **online** interview will be conveyed to the shortlisted candidates by email.

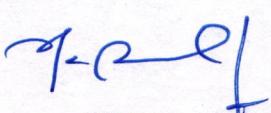


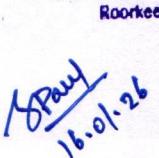
**Name and signature
of Principal Investigator**

Tel: +91-1332-28-4956
Email: sakhanna@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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