

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Dept. of Electronics and Communication Engineering

Dated: 29/07/2026

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:** GPU-accelerated Denoising and Super-resolved Unmixing of R-Separable Hyperspectral Data
2. **Sponsor of the project:** ISRO
3. **Project position(s) and number:** Junior Research Fellow (JRF), 01 (one)
4. **Qualifications:** (i) M.Tech in ECE/Electrical Engineering with specialization in Signal Processing/Communication Systems or equivalent with CGPA ≥ 7.0 , and/or B.E/B.Tech in ECE/Electrical Engineering with CGPA ≥ 7.5 (out of 10). In addition, the candidate (UG or PG) must have qualified GATE/CSIR-UGC NET examination.
5. **Emoluments:** Rs. 37000 + HRA
6. **Duration:** For 1 year (with extension for one additional year based on performance)
7. **Job description:** Design, development and GPU-based acceleration of algorithms for hyperspectral denoising and unmixing of hyperspectral images. **Required Skills:** Coding in Python and Matlab, strong background in signal processing and linear algebra.
8. Eligible candidates should submit their applications with a detailed CV and copies of their degrees/certificates/transcripts to the office of Principal Investigator through email (sakhanna@ece.iitr.ac.in):
9. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
10. Preference will be given to SC/ST candidates on equal qualifications and experience.
11. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may also get an opportunity to be shortlisted for PhD admission.

The deadline for submitting applications by email to the Principal Investigator (sakhanna@ece.iitr.ac.in) is **12 August 2026**.

The online interview date will be conveyed to the shortlisted candidates after the shortlisting.

Saurabh

Dr. Saurabh Khanna (PI)

Tel: +91-1332-28-4956

Email: sakhanna@ece.iitr.ac.in

**Name and signature
of Principal Investigator**

APPROVED

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

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Dean

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

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