

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**(Department of Electronics and Communication Engineering)**

Dated: Dec 06, 2023

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for the project position as per the details given below for the research project under the principal investigator **Prof. Dharmendra Singh** in the Department of Electronics and Communication Engineering, Indian Institute of Technology Roorkee.

**1. Title of project: “Development of state-of-the-art novel algorithm for mapping and monitoring the flooded regions and partially submerged vegetation using multi-temporal, multi-frequency & multi-Polarization SAR data”**

**2. Sponsor of the project:** IIRS

**3. Project position and number:** JRF-01

**4. Essential Qualifications:** M.E/M. Tech. in Electronics & Communications Engineering/ or Computer Science and Engineering or/ Computer Technology and Applications or M. Tech Physics and related or M.Sc Physics or equivalent with NET/GATE

**OR without NET/GATE candidate may also be considered but they will be not eligible for PH.D**

**Desirable Qualifications:** Knowledge on MATLAB, C++, Python, Machine Learning, Satellite Image Processing

**5. Emoluments** : Rs. 31,000/- pm + HRA as per rules (JRF)

**6. Duration** : 03 years (Till June 17, 2025)

**7. Job description** : To carry out research work for the above project, to provide online solution to monitor flood using remote sensing/satellite images as optical as well as SAR data

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.

**2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through e-mail ([dharmfec@iitr.ac.in](mailto:dharmfec@iitr.ac.in)) till Dec26, 2023.**

- 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.

3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.

4. Preference will be given to SC/ST candidates on equal qualifications and experience.

5. Please note that no TA/DA is admissible for attending the interview.

**Note: The selected candidate may get an opportunity for PhD admission if NET/GATE qualified.**

**The interview will be held ONLINE at 10:30 am on 28.12.2023 which link will be send in due time.**

. Tel: 01332-285695

Email: [dharmfec@iitr.ac.in](mailto:dharmfec@iitr.ac.in)

Name and signature  
of the Principal Investigator

(Dharmendra Singh)

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

**NOTE: Subject of the mail must be mention “Application for JRF (IIRS)”**