

SRIC/06

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

Dated: Aug 03, 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 18, 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))**

- 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 at **10:30 am on 31.08.2023** in the Conference Room, Dept. of Electronics and Communication Engineering.

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)"**

Approved

*(Signature)*  
7/8/23  
डीन (सिक)/Dean SRIC  
भा. प्रौ. सं. रुड़की/IIT Roorkee  
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