



# NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL – 506 004 TELANGANA

Advertisement for selection of JRF

Advertisement No.: NITW/CED/GI/MP/ISRO/01/

Date: 28/04/2026

<b>Project title</b>	Stochastic Modelling for High Spatio-Temporal Resolution Surface Soil Moisture Retrieval using L&S band NISAR Observations
<b>Project ID</b>	RS-26002
<b>Sponsoring agency</b>	ISRO-NISAR-UP
<b>Position title</b>	<b>JRF</b>
<b>Number of Positions</b>	<b>01</b>
<b>Duration</b>	3 years
<b>Essential qualification</b>	<p><b>Essential:</b></p> <ul style="list-style-type: none"><li>• B.E./ B.Tech/ in relevant disciplines:</li><li>• M.Tech./M.E./M.Sc. (or equivalent) in:<ul style="list-style-type: none"><li>○ Remote Sensing / Geoinformatics</li><li>○ Earth System Science / Atmospheric Science</li><li>○ Hydrology / Water Resources Engineering</li><li>○ Civil Engineering (with specialization in Water Resources Engineering/Hydrology/Geomatics)</li><li>○ Statistics / Applied Mathematics</li><li>○ Computer Science Engineering (with specialization in AI/ML, Image Processing)</li></ul></li><li>• Minimum:<ul style="list-style-type: none"><li>○ <b>60% marks or 6.5/10 CGPA</b> (General/OBC/EWS)</li><li>○ Relaxation as per Government of India norms for SC/ST/PwD</li></ul></li></ul>
<b>Desirable Experience</b>	<p>Preference will be given to the candidates satisfy <b>at least one</b> of the following:</p> <ul style="list-style-type: none"><li>• Qualified <b>CSIR-UGC NET (JRF/LS)</b></li><li>• Qualified <b>UGC-NET (JRF/LS)</b></li><li>• Valid <b>GATE score</b></li><li>• Selection through National-Level Examinations conducted by Central Government Departments/Agencies (as per DST/ISRO guidelines)</li><li>• Prior experience in <b>microwave remote sensing</b>, especially SAR data (L-band, S-band)</li><li>• Familiarity with <b>**NISAR mission data</b> or similar datasets (e.g., Sentinel-1, SMAP)</li><li>• Strong background in:<ul style="list-style-type: none"><li>○ Stochastic modelling / statistical signal processing</li><li>○ Machine learning / data-driven modelling</li></ul></li><li>• Programming skills in <b>Python, MATLAB, or R</b></li><li>• Experience with:<ul style="list-style-type: none"><li>○ <b>GIS platforms</b> (QGIS, ArcGIS)</li><li>○ Cloud platforms like <b>Google Earth Engine</b></li></ul></li></ul>
<b>Age limit</b>	<b>30 Years (Age relaxation applicable as per institute rules)</b>
<b>Fellowship</b>	Rs 42,916/- per month first two years and Rs 48,750/- per month during

	third year based on performance
<b>Other Benefits</b>	GATE qualified candidates have the option of registering for Ph.D. degree at NIT Warangal. However, they need to apply for the position as per the notification at that time.
<b>Job nature</b>	Execute objectives of research project, Simulation Modelling and Report Preparation
<b>How to apply?</b>	Fill the attached application with this advertisement. Complete and send to email: <b>manalipal@nitw.ac.in</b>
<b>Submission mode</b>	Soft copy
<b>Last date to apply</b>	<b>May 15, 2026</b>
<b>Whom to contact?</b>	<b>Dr. Manali Pal</b> Assistant Professor, Department of Civil Engineering, NIT Warangal Telangana-506004, India Mobile: +91 9064198165
<b>Contact Email ID</b>	<a href="mailto:manalipal@nitw.ac.in">manalipal@nitw.ac.in</a>
<p><b>Please note:</b></p> <ul style="list-style-type: none"> <li>• The position is purely temporary and liable for termination based on performance.</li> <li>• Please enclose a brief resume/ curriculum vitae and <u>copies of certificates and marks memo</u> along with the applications form</li> <li>• List of eligible candidates will be announced on the institute website and intimated through email.</li> <li>• Shortlisted candidate will have to attend the interview (Online/ Offline).</li> <li>• No TA/DA will be paid for attending interview.</li> </ul>	

**APPLICATION FOR THE POSITION OF JRF**

**Advt. NITW/CED/GI/MP/ISRO/01/ dated 28/04/2026**

(Enclose a copy of curriculum-vitae; it is compulsory to submit all the supporting documents/marks memos)

1. **Name of the candidate:**
2. **Father's name:**
3. **Mother's name:**
4. **Date of birth (DD/MM/YYYY):**
5. **Gender:**
6. **Marital status:**
7. **Category:**
8. **Phone Number and Email:**
9. **Educational qualifications:**

<b>Qualification Degree</b>	<b>Specialization/ Subjects</b>	<b>University/ Board</b>	<b>Year of Passing</b>	<b>Class</b>	<b>CGPA/ Percentage</b>
<b>M.Tech./ M.E.</b>					
<b>B.Tech./ B.E.</b>					
<b>Intermediate</b>					
<b>S.S.C.</b>					
<b>Any other</b>					

10. **GATE qualification score if any:**
  - a. **Year Appeared:**
  - b. **Score:**
  - c. **All India Rank:**

11. **Research/ Industrial Experience:**

12. **Publications if any:**

13. **Any other relevant information:**

**Declaration**

I ..... hereby declare that all statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled.

Place:

Date:

Signature of the candidate