



राष्ट्रीय प्रौद्योगिकी संस्थान सिलचर
National Institute of Technology Silchar
(राष्ट्रीय महत्व का संस्थान)

(An Institute of National Importance)

www.nits.ac.in, Phone: 03842-242914, Fax: 03842-224797, Assam-788010 (INDIA)

Advertisement No. : NITS/Dean(R&C)/ECE./689/02/2026

Date: 25.05.2026

Applications are invited from Indian citizens for temporary post of **Junior Research Fellow (JRF)** under accelerated research for 6G ecosystem - TTDF scheme/DoT in the Department of ECE, NIT Silchar.

| | |
|------------------------------|--|
| Title of the project | TARANG: Design of Terahertz Wireless Communications Systems for 6G |
| Description of the project: | The project intends to develop enhanced technologies to combat propagation loss of Terahertz channel and application of AI to develop low-complexity beam training and resource management in wireless communication |
| Sponsored Agency | TTDF/DoT, Govt. of India. |
| Project sanction number | Three years or till the closure of the project whichever is earlier. Performance evaluation will be done each year. |
| No. of posts | 01 (one) |
| Duration | 03 years or completion of project, whichever is earlier (extension based on performance review every 12 months) |
| Principal Investigator (P.I) | Dr. Sucharita Chakraborty , Assistant professor, Department of Electronics and Communication Engineering, National Institute of Technology Silchar, Assam-788010. |

General Information and Terms & Conditions

| | | |
|-----|---|---|
| 1. | Age Limit | 35 years (as of closing date of application, 07.06.2026) |
| 2. | Essential Qualification | Candidates with/without valid GATE/NET and with a minimum of 60% aggregate marks or 6.5 CGPA at both UG and PG for GEN/ GEN-EWS/ OBC-NCL category and minimum 55% aggregate marks or 6.0 CGPA at both UG and PG for SC/ ST/ PwD category. OR Candidates with Bachelor's degree in Engineering/ Technology with at least CGPA of 7.5/10 or 70% of marks under GEN/ GEN-EWS/ OBC-NCL category and at least CGPA of 7.0/10 or 65% under SC/ ST/ PwD category. B.Tech/ B.E or Equivalent degree in ECE and M.Tech/ M.E in ECE or equivalent. (OR) B.Tech/ B.E or equivalent degree in ECE. |
| 3. | Desirable Experience | JRF: A solid understanding of digital communication, probability theory, optimization, and wireless communications is crucial. Experience with programming languages such as MATLAB or Python. |
| 4. | Salary (per month) | JRF: INR. 37,000/-+HRA (with and without GATE/NET) * JRF will promoted to SRF after successful completion of two years. |
| 5. | Relaxation on qualification and age | SC/ST/OBC/WOMEN/PWD/EWS candidates will get relaxation as per Govt. of India Rules. |
| 6. | Last date of receiving of filled application form | <u>15.06.2026@11.59 pm</u> |
| 7. | Reporting | Applicants are also requested to send the soft copy of the duly filled application along with C.V. and all documents through email sucharita@ece.nits.ac.in with the subject as " Application for the post of JRF under the project TARANG/TTDF/6G/461 " on or before 15.06.2026 . For any enquiry, contact Email ID: sucharita@ece.nits.ac.in . |
| 8. | Date of interview, time, and venue | Interview date and mode (online/ offline) with other details will be duly notified through email. |
| 9. | No objection certificate | Employed candidates are to submit a no-objection certificate from his / her employer at the time of the interview. |
| 10. | Institute right | The Institute has the discretion to restrict the number of candidates to be shortlisted for the interview based on screening. No candidate may be recruited if suitable candidates are not found. |
| 11. | Signing of the agreement | Selected candidates shall have to sign an agreement at the time of joining. |

Sd/-

Associate Dean (R&C),
NIT Silchar.

**APPLICATION FOR THE POSITION OF JRF UNDER ACCELERATED RESEARCH FOR
6G ECOSYSTEM - TTDF SCHEME/DoT**

Advt. No. :

(Please enclose a copy of bio-data/ resume/ curriculum-vitae)

| |
|--|
| Paste recent passport size colored photograph |
|--|

- 1. Name of the candidate**
- 2. Father's name**
- 3. Date of birth (DD/MM/YYYY)***
- 4. Sex** Male/ Female
- 5. Marital status** Single/ married
- 6. Category*** OC/OBC/SC/ST
- 7. Educational qualifications***

| Degree | Specialization/ subjects | Board/ University | Year of passing | Class | Percentage/ CGPA |
|-------------------------|-----------------------------|----------------------|--------------------|-------|---------------------|
| SSC | | | | | |
| Intermediate | | | | | |
| B.Sc./ B.E./ B. Tech | | | | | |
| M.Sc./ M.Tech. | | | | | |
| Ph.D. | | | | | |

- 8. GATE/NET/ICMR/DBT-SRF score earned/ qualified***

| Score | Year appeared | Score | All India rank |
|-----------------------|---------------|-------|----------------|
| GATE/ NET/ mention | | | |

- 9. Research/Industrial/Teaching experience***

| Sl. No. | Organisation/ industry served | Date/ Month of entry | Date/ Month of leaving | Months/ Years of experience |
|---------|-------------------------------|----------------------|------------------------|-----------------------------|
| | | | | |
| | | | | |

- 10. Publications/ conference participations***

11. 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. I confirm, that I am available for ONLINE interview, if necessary.

Date:

Signature of the candidate

* Submit soft copies of the supporting documents