



राष्ट्रीय प्रौद्योगिकी की संस्थान सिलचर
National Institute of Technology Silchar
 (राष्ट्रीय महत्वका 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./689/03/2026

Date: 27.10.2026

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, 13.11.2026)
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/- month (with and without GATE/NET)
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	13.11.2026
7.	Reporting	Applicants are requested to send the soft copy of the duly filled application form (given below, Annexure 01(A)-2) along with C.V. & soft copy of all supporting documents to the PI through the email (sucharita@ece.nits.ac.in), with the subject line: as "Application for the post of JRF under the project TARANG/TTDF/6G/461" on or before 13.11.2026 . 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.



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NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
अध्यक्ष का कार्यालय (शोध एवं परामर्श)
OFFICE OF THE DEAN (RESEARCH & CONSULTANCY)

FORMAT of APPLICATION

For the post of **Junior Research Fellow (JRF)**

Photo

1. Advertisement no : Dated:-
2. Title of the Project :
3. Funding Agency :
4. Department :
5. Name of the applicant (in block letters):
6. Father's/Husband's Name:
7. Date of Birth (DD-MM-YYYY):
8. Gender:
9. Marital Status:
10. Age as on last date of application:
11. Postal Address:
12. Permanent Address:
13. E-mail:
14. Phone no.:
15. Nationality:
16. Whether belongs to SC/ST/OBC/EWS/PwD: (If yes, attach certificate):
17. Educational Qualification:(Starting from Class X)

Exam Passed	Board/University	Division	Percentage of marks/CPI	Year of passing	Subjects

18. NET/GATE Examinations Passed:

☐ NET

☐ GATE

Subject	Qualifying date	Valid up to	Subject	Score	Valid up to

19. Details of employments:

Sl. No.	Name of the Organization	Name of the Post	Period	Scale of pay and present pay	Nature of duty

20. Any other relevant information that you may like to furnish:

Declaration

I declare that the above information is true and correct to the best of my knowledge and belief.

Date:

Place:

Signature of the applicant