



राष्ट्रीयप्रौद्योगिकीसंस्थानसिलचर
National Institute of Technology Silchar
(राष्ट्रीयमहत्त्वकासंस्थान)

(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/677/03/2026

Date: 04.08.2026

Applications are invited from Indian citizens for a temporary post of **Junior Research Fellow (JRF)** in the Department of Electronics & Communication Engineering, NIT Silchar, Assam, for the following project.

Title of the project	<i>Design and Modeling of Lab-On-Chip based Bio-reactors Capable of Mimicking Human Glomerulus Ultrafiltration and Reabsorption Function of Proximal Tubule of Kidney for in vivo implantation.</i>
Sponsored Agency	Department of Biotechnology (DBT), Government of India
Project sanction number	BT/PR49483/MED/32/922/2023 Dated 30 May 2024
No. of posts	01(one), Junior Research Fellow (JRF)
Duration	Initially four months and may be extended based on availability of funds
Principal Investigator (P.I & Co-PI)	Dr. Koushik Guha & Prof. K. L. Baishnab, Dept. of Electronics & Comm. Eng.

General Information and Terms & Conditions

1	Age Limit	35 years (as on the closing date of application, 31.08.2026)
2	Essential Qualification and experiences	M.E/M.Tech in Electronics & Communication Eng./ Biomedical Eng/Mechanical Eng (Specialization in microfluidics & MEMS) or related fields from a recognized University or equivalent with good academic record from a recognized University/Institute. Minimum 60% marks in Masters or equivalent degree. GATE/NET qualified
3	Desirable Experience for the post	The candidate should have good knowledge in working with microfluidics and MEMS simulation tool and prior experience in modeling, simulation, and fabrication of micro-devices.
4.	Salary	Rs.37000/- per month. HRA along with other allowances/increment will be provided as per project/ institute Norms.
5	Last date of receiving/ submission of filled up application form	31st August, 2026
6	Reporting	Applicants are requested to submit the signed scanned copy of their filled-in application form along with CV and the all supporting documents to the P.I. through email at koushik@ece.nits.ac.in with subject line "Application for the post of JRF under DBT project BT/PR49483/MED/32/922/2023 ". Call letter for shortlisted candidates will be sent through email.
7	Date of interview, time, and venue	Interview date and mode (online/offline) will be notified in due course of time through email.
8	No objection certificate	Employed candidates are to submit no objection certificate from his/her employer at the time of interview.
9	Institute right	The Institute has the discretion to restrict the number of candidates to be called for the interview on the basis of screening. No candidate may be recruited if suitable candidates are not found.
10	Signing of the agreement	Selected candidates shall have to sign an agreement at the time of joining.

Sd/-

Associate Dean (R&C)
NIT Silchar.



National Institute of Technology, Silchar

FORMAT of APPLICATION

for Junior Research Fellow (JRF)

Paste recent
passport size
colored
photograph

1. Advertisement no dated:
2. Title of the Project-
.....
3. Name of the post applied for.....
4. Department:
5. Name of the applicant (in block letters):
6. Father's/Husband's Name:
7. Date of Birth (DD-MM-YYYY):
8. Postal Address:

E-mail:

Phone no.:

9. Permanent Address:

10. Nationality:

11. Marital Status:

12. Whether belongs to SC/ST/PH/OBC: (If yes, attach certificate):

13. Educational Qualification: (Starting from Class X)

Exam Passed	Board/University	Division	%age of Marks/C GPA	Year of Passing	Subjects

1. NET/GATE Examinations Passed:

I. NET			II. GATE		
Subject	Qualifying date	Valid upto	Subject	Score	Valid upto

2. Details of employments:

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

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

Declaration

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

Date:

Place

Signature of the applicant