



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology, Agartala
Jirania, Tripura, India, Pin -799046

Advt. No.: F.NITA.11(42-ME) /DST-SERB-CRG/Project/JRF/2023-24 Dated: 17/ 03/2025

Recruitment of Junior Research Fellow (JRF) and Project Assistant for the research project funded by Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India, under the scheme Core Research Grant (CRG)

Applications are invited for the post of Junior Research Fellow (JRF) and Project Assistant under the sponsored research project. The details of the project and the post for recruitment are given below:

Position:	Junior Research Fellow (JRF) / Project Assistant (PA)
Number of Vacancy:	JRF - 01 (One) / PA -01 (one)
Project Title:	Development analysis and feasibility study of aluminium alloy-air battery for powering electric vehicles
Funding Agency:	Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India, under the scheme Core Research Grant (CRG)
Principal Investigator:	Dr. Ajay Biswas Associate Professor Dr Abhik Majumdar (Co-PI) Assistant Professor Mechanical Engineering Department NIT Agartala
Department:	Department of Mechanical Engineering, NIT Agartala, PO – NIT Agartala, West Tripura, Tripura
Project duration:	Initial appointment will be for one year, which is extendable up to the duration of the project (about 3 years) solely based on the performance.
Essential Qualification:	A. Junior Research Fellow(JRF): ME / M. Tech in Manufacturing Technology or relevant field/ Materials Science & Engineering / Chemical Engineering (with a consistently good academic record, with CSIR/UGC-NET (Equivalent qualification/fellowship) or valid GATE score. (Candidates without GATE/NET scores are also encouraged to apply**). Desirable: knowledge / experience in chemical synthesis, electro physics, electrochemistry/fuel cell will be preferred. B. Project Assistant (PA): B.Sc. or M Sc. in Physics or chemistry / Three years Diploma / B Tech in Mechanical or relevant Engineering and Technology with a consistently good academic record. Desirable: knowledge/experience in chemical synthesis/electro-chemistry/fuel cell will be preferred.
Job Description:	JRF/PA is expected to execute the project by planning, experimentation, data analysis, report and manuscript writing within specified time.as per the direction of Principal Investigator (PI) or the Co-Principal Investigator.
Fellowship:	For JRF: Consolidated amount of Rs.31,000/- per month for first 02 years and Rs.35,000/- month for the third year For PA: Consolidated amount of Rs.20,000/- per month up to the duration of the project (about 3 years) solely based on performance.
Date of Interview:	11.04. 2025; Time: 11:30 AM onwards
Mode of Interview:	Hybrid. (Offline Venue- Department of Mechanical Engineering, NIT Agartala; Online: Google Meet/Zoom/Microsoft Team)

** Candidates without GATE /NET scores would be offered reduced Fellowship.

Date of Interview (Walk-in interview
online / offline)

Date: 11.04.2025 (tentative)

Mode of interview: online / offline depending on the suitability.

How to Apply

Interested candidates are requested to submit the attached application format duly filled in with detailed CV and scanned copy of all documents. All the attachments are to be converted into a single pdf file (size 10 MB max.) named <applicant's name> _ <JRF/PA application for SERB > and send to Dr. Abhik Majumdar, Assistant Professor, Mechanical Engineering Department, NIT Agartala, via e-mail: onlyabhik111@gmail.com with the subject line "JRF/PA application for SERB Project 2023" **latest by 10th April, 2025.**

Note: CV should include details of academic grades starting from X standard onwards with details of the year of passing, university or institute, etc. and also work experience and nature of work if applicable. Complete details of CSIR/UGC-NET (Equivalent qualification/fellowship) or valid GATE score such as year of passing/validity, discipline, marks, All India Rank and number of candidates appeared should be mentioned in the CV (for JRF position). Incomplete applications will be rejected.

Only shortlisted candidates will be called for the interview (via online / offline depending on the suitability). Shortlisted candidates will be intimated by e-mail about the final date of interview. No TA/DA will be paid for appearing for the interview. Documents in support of educational qualifications, and experience certificates as applicable must be produced at the time of the selection process.

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Tel. No. +91381 2346630/6629, Fax. No. +91381 2346360, Url:- www.nita.ac.in

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Terms and Conditions:

The position is purely on temporary basis and will be governed by the Administrative rules, conditions imposed by Research & Consultancy Cell, NIT Agartala.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. **Interested candidate should send their filled application including photograph and signed scan copy of educational qualifications, research publications and a statement of interest on or before 10th April 2025.**
3. The application should be sent through e-mail at onlyabhik111@gmail.com.
4. The project duration is 02 years. Initial appointment for the position will be for one year, which is extendable up to the duration of the project solely based on performance.
5. No TA/DA is permissible for appearing in the interview and joining in case of selection. Institute reserves the right to cancel the process at any point of time without assigning any reason.
6. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
7. Appointment will be temporary in nature and as per the Institute terms and conditions.
8. Only shortlisted candidates will be informed through email provided in the application form for interview, upon selection engagement letter will be sent through the email.
9. The applicant will be responsible for the authenticity of information, documents and photographs submitted.
10. The Institute reserves the right to cancel the recruitment without assigning any reason.
11. The candidate selected for the above position will have the option to register for PhD. program under the Department of Mechanical Engineering, National Institute of Technology Agartala. However, for admission to PhD program, the candidate must meet certain eligibility requirements as per the Ph.D. rules 2018 of NIT Agartala (https://www.nita.ac.in/uploaded_files/Rules_PhD_2018.pdf).
12. The temporary engagement can be terminated without assigning any reason.

Sd/

**Dean(R&C)
NIT Agartala**

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APPLICATION FORM

Recent passport
size color
photography
affixed

Application for the post of

Advt. No.:

Dated:.....

1 Name of the Applicant :

2 Father's/Husband's Name :

3 Nationality :

4 Date of Birth :

5 Category (SC/ST/OBC/GEN/EWS) :

6 Gender (Male/Female) :

7 Marital Status :

8 NET Qualified (Yes/No) :

9 GATE Qualified (Yes/No) :

10 Title of the project undertaken in
M.Tech /M.Sc./B.Tech :

11 Research Experience (If any) (Attached
Certificate) :

12 Aadhar No. (attach copy of Aadhar
Card) :

13. Present Address

.....
..... Pin Code:

E-mail ID: Phone/Mobile No.:

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14. Educational Qualification (Higher School onwards) (Attached Certificate) :

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

15. List of SCI Journal:

16. List of Scopus Journal:

17. List of Conference Paper:

18. Book/Book Chapter/Patent:

UNDERTAKING

I hereby declare that all the information furnished above is true, correct and complete to the best of my knowledge and belief.

Signature of the Candidate

Date:

Place: