



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला  
National Institute Of Technology, Agartala  
Jirania, Tripura, India, Pin - 799046

F. NITA.12(102-EE)/IIT Guwahati-TIDF/Project-BD/2024/Part-1 Date:24.01.2025

**Recruitment of Junior Research Fellow (JRF) or Project Assistant (PA) for the research project funded by IIT Guwahati TIDF TIH.**

Applications are invited for the post of JRF/PA under the sponsored research project. The details of the project and the post for recruitment are given below:

<b>Title of the Project</b>	: <b>AI Based fault tolerant operation of multi-phase induction motor for underwater propulsion system.</b>
<b>Funding Agency</b>	: <b>IIT Guwahati TIDF TIH</b>
<b>Project duration</b>	: <b>2 Years (October 2024 to October 2026)</b>
<b>Principal Investigator (PI)</b>	: <b>Dr. Bikram Das, Assistant Professor, Grade-I, Department of Electrical Engineering, NIT Agartala.</b>
<b>Co-PI (s)</b>	: <b>Dr. Abanishwar Chakrabarti, Assistant Professor, Department of Electrical Engineering, NIT Agartala.</b> <b>Dr. Shailendra Singh, Assistant Professor, Department of Electrical Engineering, NIT Agartala.</b>
<b>Emolument per month</b>	: <b>JRF: Rs. 37,000/- + HRA for first 11 Months and may be extend depending on the project performance(as per applicable rules).</b> (or) <b>PA: Rs. 20,000/- + HRA for first 11 Months and may be extend depending on the project performance (as per applicable rules).</b>
<b>Essential Qualification</b>	: <b>JRF: Post Graduate Degree in Basic Science OR Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following:-</b> a. Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b. The selection process through National level examinations conducted by central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. <b>Desirable: M.E./M.Tech. in Electrical Engineering/equivalent with Power Electronics/ Energy Systems/ any other related specialization.</b> (or) <b>PA: B.Sc./3 years Diploma in Engineering &amp; Technology</b> <b>Desirable: B.E./B.Tech. in Electrical Engineering or other related specialization.</b> <b>*Candidates can be considered for the Project Assistant position if no suitable candidates are found for the JRF position.</b>
<b>Description of responsibilities</b>	: The primary role is to assist in research activities under the guidance of the Principal Investigator (PI) and Co-PIs. Research activities include development of fault-tolerant capabilities of IM to ensure continuous operation in underwater environments. Development of modular structure of converters for easy to operate with Implementation of advanced fault detection algorithms for fault tolerant propulsion system. Preparation of high-quality documentation, including detailed reports and presentations etc.

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Number of Post	: 1 (One) JRF or 1 (One) PA
Date of Interview (Walk-in interview online/offline)	: Date: 13.02.2025 Time: 11:00 AM Mode of interview: Walkin/Online/Offline. Venue: EE Seminar Room (1 <sup>st</sup> Floor)

**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 **Interview Date and Time**. The application should be sent to **Dr. Bikram Das**, Department of Electrical Engineering, National Institute of Technology (NIT), Agartala, Tripura, India or through e-mail to **bikram.ee@nita.ac.in** keeping **tih@iitg.ac.in** in CC.
3. The project duration is 2 years (October 2024 to October 2026) for the position and is co-terminus with the project.
4. 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.
5. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
6. Appointment will be temporary in nature and as per the Institute terms and conditions.
7. 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.
8. The applicant will be responsible for the authenticity of information, documents and photographs submitted.
9. The Institute reserves the right to cancel the recruitment without assigning any reason.
10. The candidate selected for the above position will have the option to register for PhD program at Department of Electrical Engineering, National Institute of Technology (NIT) Agartala. However, for admission to PhD program, the candidate must meet certain eligibility requirements as per the Ph.D rules 2018 of NIT Agartala.
11. The temporary engagement can be terminated without assigning any reason.

Sd/

Dean(R&C)  
NIT Agartala

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*[Handwritten Signature]*





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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) (Attach  
Certificate) :
- 12 Aadhar No. (attach copy of Aadhar  
Card)
13. Present Address.....  
.....  
..... Pin Code:.....  
E-mailID:.....Phone/MobileNo.:.....

*Signature*

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: .....