



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

Advt. No.: F.NITA.11/(11-ME)/DST/SERB/MD&UKB/CRG/2023/PART-II/2092

Dated: 13/9/2024

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

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

Title of the Project	Predictive control of RCCI engine performance and emission using Artificial Intelligence (AI)
Number of Post	01 (one)
Funding Agency	Science And Engineering Research Board (SERB), Department of Science and Technology (DST), Govt. of India
Project duration	03(three) years
Principal Investigator	Dr. Madhujit Deb Associate Professor, Mechanical Engineering Department, NIT Agartala
Monthly Emolument	Consolidated amount of Rs:37,000/- per month for first 02 years and Rs:42,000/- per month for third year
Essential Qualifications	JRF: Post Graduate degree in basic science or Graduate/Post Graduate in professional course selected through a process described through anyone of the following: 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, IIESR, NISER etc. Desirable: a) 1 st class in ME/M.Tech in Mechanical Engineering/Thermal Science & Engineering/Automobile Engineering/Automotive Engineering/Renewable energy with a strong background in thermal science domain. b) Candidates should also have experience in the computation and experimental fields related to the project with an exposure to artificial intelligence, numerical techniques and various machine learning tools including data analysis.
Description of responsibilities	JRF is expected to execute the project by planning, experimentation, data analysis, report and manuscript writing within specified time.
Date of interview (Walk-in/ offline/online)	Date: 27/09/2024 Time:10:00AM Mode: Walk-in/offline/online

National Institute of Technology Agartala
Barjala, Jirania, West Tripura, Pin:- 799046
Tel. No. +91381 2346630/6629, Fax. No. +91381 2346360, [Url:- www.nita.ac.in](http://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 interview date and time. The application should be sent to **Dr. Madhujit Deb**, Associate Professor, Department of Mechanical Engineering, National Institute of Technology (NIT), Agartala, Tripura, India or through e-mail at **madhujitme79@gmail.com**
3. The project duration is 03 years 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 Mechanical 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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APPLICATION FORM

Application for the post of

Advt. No.:

Dated:

Recent passport
size color
photography
affix

- 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:

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