National Institute of Technology Durgapur

Mahatma Gandhi Avenue, Durgapur-713209

DEPARTMENT OF ELECTRICAL ENGINEERING

Advertisement for the post of Project Associate-I

Advt. No.: NITD/SRCC/SB/AB/EE/2025-26/07/ADV/01/04 **Date: 01/10/2026**

Project Title: "Grid Readiness for Electrical Vehicle (EV): Enablers and Technological developments (GREET)"

Funding Agency: Collaborative R & D project with IIT Kanpur (Lead Institute), sponsored by Anusandhan National Research Foundation (ANRF)

Duration: Maximum up to 10.06.2028.

Project Summary: This project will assess the impact of large-scale electric vehicle (EV) charging infrastructure on distribution grids, focusing on power quality, operation, and protection. It will develop optimal planning models for EV charging and battery swapping stations by integrating transport patterns, grid constraints, and climate variability. Additionally, it will create algorithms for the optimal scheduling of EV charging and discharging to provide ancillary services, develop advanced power converter control schemes with power factor control to mitigate power quality issues arising from high penetration of EV charging loads while ensuring compliance with grid standards and maintaining system stability and enhance battery life. The outcomes will support coordinated planning, smoother grid operations, efficient integration of renewable energy, contributing to sustainable and resilient EV adoption by developing some software/Packages/Mobile Applications etc.

The details of the post are as follows:

Name of the Post: Project Associate-I [one position].

Minimum Required Qualifications:

Essential:

Four years bachelor's degree in Electrical Engineering/Electrical and Electronics Engineering/Computer Science Engineering or Technology from a recognized University or equivalent.

OR

M.E./M. Tech in Electrical Engineering/Electrical and Electronics Engineering/Computer Science Engineering.

Desirable: The candidate is required to have expertise in one or more of the following areas:

- Experience in power electronic based circuit simulation & fabrication, microcontroller based applications,
- Proficient in MATLAB, C, C++, Python programming,
- Expertise of running the programs in Hardware in Loop using Real Time Simulators,
- Expertise to develop mobile applications,
- Expertise to develop Software/Webpage etc.

Fellowship & Other details:

(i) Rs 37,000 per month + HRA as per the Institute norms to Scholars who are selected through
(a) National Eligibility Tests - CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE
OR
(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions

(ii) Rs. 30,000/- + HRA as per the Institute norms for others who do not fall under (i) above

How to Apply:

Eligible and interested candidates are invited to apply for the position through E-mail (abhattacharya.ee@nitdgp.ac.in) on or before 5.00 PM, 11th October, 2026, as per the given format below: The subject line of the e-mail should clearly state: "Application for the post of Project Associate-I in ANRF sponsored Project: GREET"

Mode of Selection:

Shortlisted candidates for Test/Interview will be informed via E-mail. The selection interview/test will be conducted **ONLINE on 14th October, 2026 from 2:30 PM**. Interested candidates must attend the **ONLINE** interview as per schedule on that day.
The selected candidate must submit the original application form and one set of self-attested photocopies of the following documents at the time of joining, along with the originals for verification.

i) valid photo identity proof,
ii) Date of Birth proof,
iii) All qualified exam results & certificates,
iv) Proof of experience/training etc.,
v) BE/B.Tech AND/OR ME/M.Tech project/training reports,
vi) Other relevant documents as per the form, experience certificates, and SCI journal publications (if any).

Terms and conditions: The above position is purely temporary, and is maximum up to 10.06.2028. **However, the candidate's performance will be evaluated every six months, and the contract will be renewed subject to satisfactory performance only.** Principal investigator may terminate the appointment, if the performance of the Project Associate-I will not be satisfactory.

(1) Only eligible shortlisted candidates will be called for interview
(2) Applications received after the specified deadline may not normally be considered.
(3) No TA/DA will be paid for attending the interview.
(4) Selected candidates will not be entitled to claim any regular appointment at this institute.
(5) Selected candidate is expected to join immediately after recruitment
(6) Other terms and conditions will be as per those of NIT Durgapur.
(7) Canvassing in any form will disqualify the candidature.

Dr. Aniruddha Bhattacharya
Principal Investigator

Prof. Subrata Banerjee
Principal Investigator

Contact Address:
Dr. Aniruddha Bhattacharya, Assistant Professor, Electrical; Engg. Dept., NIT Durgapur, M G Road, Durgapur, West Bengal, PIN 713209,
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APPLICATION OR THE POST OF PROJECT ASSOCIATE-I
ADVT. NO.: NITD/SRCC/SB/AB/EE/2025-26/07/ADV/01/04, DATE: 01/10/2026

1.	Name in full (block letters)					Self- attested photograph
2.	Father's/Gurdain's Name					
3.	Date of Birth					
	Age as on 14.10.2026		Years		Month	
4.	a) Marital Status:	b) Gender:				
5.	a) Permanent address:	b) Correspondence address:				
	Mobile No.		E-mail			
6.	Nationality:					
8.	Category (OPEN/SC/ST/OBC-NCL/EWS):					

9. Educational Qualification (from Matriculation onwards):

Exam. Passed	**Specialization**	**Board/University**	**Passing Year**	**Class**	**Marks/CGPA**

10. Summary

GATE Qualified (YES/NO) If yes provide score & Year	Class 10 Marks in (%) only	10+2 Marks in (%) only	B. Tech (CGPA only)	M Tech (CGPA only)	Work Experience

11. Details of Employments/Training/Experience, if any:
12. Title of the ME/M Tech Project and brief summary (100 words):
13. Title of the BE/B Tech Project and brief summary (100 words):
14. Summary of the research/work experience (100 words):
15. Journal or Conference Publications, if any:
16. Field of interest:
17. Extracurricular Activities:
18. Any other relevant achievements:

"I hereby declare that the statements made by me in / above form are true, complete and correct to best of my knowledge and belief."

Place:
Date:

Signature of Applicant
Name: