



National Institute of Technology Durgapur

Mahatma Gandhi Avenue, Durgapur-713209

DEPARTMENT OF ELECTRICAL ENGINEERING

Advertisement for the post of Project Associate-II

Advt. No.: NITD/SRCC/SB/AB/EE/2025-26/07/ADV/02

Date: 21/07/2025

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: Nearly 3 years 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, efficient converter control schemes supporting grid stability, and enhance battery life. Design of converter system models that incorporate power flow control and bidirectional power capabilities for V2G/G2V operations. 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-II [one position].

Minimum Required Qualifications:

Essential:

Four years bachelor's degree in Electrical Engineering or Technology from a recognized University or equivalent along with minimum two years of research experience in R&D in industrial and academic institutions or S&T organizations and scientific activities and services.

OR

M.E./M. Tech in Electrical Engineering along with minimum two years of research experience in R&D in industrial and academic institutions or S&T organizations and scientific activities and services.

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

- Proficient in MATLAB, 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.
- Experience in power electronic based circuit simulation & fabrication may be an added advantage.

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Fellowship & Other details:

(i) Rs. 42,000 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. 33,000/- + 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, 12th August 2025**, as per the given format below: The subject line of the e-mail should clearly state: "Application for the post of Project Associate-II in ANRF sponsored Project: GREET"

Mode of Selection:

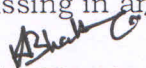
Shortlisted candidates for Test/Interview will be informed via E-mail. The selection interview/test will be conducted offline in the Meeting room of Electrical Engineering Department, NIT Durgapur at **9:00 a.m. on 18th August, 2025**.

Interested candidates must appear in person with the completed application form and one set of photocopies of the following documents along with their originals:

- i) valid photo identity proof,
- ii) Date of Birth proof,
- iii) All qualified exam results & certificates,
- iv) Proof of experience/training etc.,
- v) Summary of the research experience (500 words),
- vi) BE/B.Tech & ME/M.Tech project/training reports,
- vii) other relevant documents as per the form, experience certificates, and SCI journal publications (if any).

Terms and conditions:

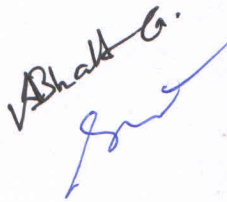
- (1) The above position is purely temporary, and is maximum up to 10.06.2028. However, the principal investigator may terminate the appointment, if the performance of the Project Associate-I will not be satisfactory.
- (2) Only eligible shortlisted candidates will be called for interview
- (3) Applications received after the specified deadline may not normally be considered.
- (4) No TA/DA will be paid for attending the interview.
- (5) Selected candidates will not be entitled to claim any regular appointment at this institute.
- (6) Selected candidate is expected to join immediately after recruitment
- (7) Other terms and conditions will be as per those of NIT Durgapur.
- (8) 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,
Email: abhattacharya.ee@nitdgp.ac.in; Mob No: +91 9434789044



APPLICATION OR THE POST OF PROJECT ASSOCIATE-II
ADVT. NO.: NITD/SRCC/SB/AB/EE/2025-26/07/ADV/02, DATE: 21/07/2025

1.	Name in full (block letters)					Self- attested photograph
2.	Father's/Gurdain's Name					
3.	Date of Birth					
	Age as on 12.08.2025		Year		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 experience (500 words, add extra page if required):
 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:

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