

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF ELECTRICAL ENGINEERING**

Dated: 20/11/2025

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal Investigator: **Dr. Ramanuja Panigrahi, Department of Electrical Engineering, Indian Institute of Technology Roorkee.**

1. Title of project: **Grid Readiness for EV: Enablers and Technological development (GREET)**
 2. Sponsor of the project: **ANRF, New Delhi**
 3. Project position(s) and number:
 - a) **National Post-Doctoral Fellowship (NPDF) and 1 number**
 - b) **Junior Research Fellow (JRF) and 1 number**
 4. **Qualifications:**

For JRF:
Essential: First Class B.E. or B.Tech. in Electrical or Electrical and Electronics Engineering or Equivalent with GATE.
Desirable: First Class in M.E./M.Tech. in Power Electronics/Power Systems or Equivalent with GATE qualification.

For NPDF:
A Ph.D. in Power Electronics/ Power Systems or related fields with at least two publications, preferably in IEEE Journals/Transactions. Candidates with experimental experience will be preferred. Candidates who have submitted the thesis may also be considered.
 5. **Emoluments:**

JRF: Rs. 37,000/- p.m. (for first two years), SRF: Rs. 42,000/- p.m. (for third year) & JRF may be promoted to SRF, subject to satisfactory performance during the initial 2 years.
NPDF: Rs. 80,000/- p.m. (for one year)
 6. **Duration:**

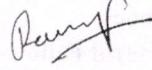
JRF: 3 years (The selected candidate will be encouraged to register for the Ph.D. program at IIT Roorkee as per institute norms)
NPDF: 1 year (coterminous with the project)
 7. **Job description:**
 - (a) Experimentation related to advanced EV charger development using SiC and GaN devices and relevant communication protocols.
 - (b) Optimal placement of EV charging stations and Battery swapping.
- A. Terms:
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email in a single pdf file to ramanujap@ee.iitr.ac.in with subject line "JRF application for GREET project./NPDF application for GREET project.":
 - Application in plain paper with a detailed CV including a chronological discipline of the degrees/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.

3. Candidate shall produce the original degree(s)/certificate(s) and experience certificate(s) at the time of joining for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The last date for the application to be submitted to the office of the Principal Investigator is **10/12/2025** by 5 PM.

The interview will be held in Hybrid mode. Date and time of the interview, along with the meeting link, will be communicated to the shortlisted candidates only via email.



Dr. Ramanuja Panigrahi
Name and signature
of Principal Investigator

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Email: ramanujap@ee.iitr.ac.in

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

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