Malaviya National Institute of Technology Jaipur
Department of Electrical Engineering

Advertisement for JRF Position (Contractual)

Date: 28th April 2025

Applications are invited for highly motivated and dynamic eligible candidates for the junior research fellow (JRF) position to work on a sponsored research project funded by the Department of Science and Technology (DST), Rajasthan. The theme of the project is as follows:

As an important part of the power system, energy storage balances variable electricity generation and supports renewable integration into the grid. Energy storage mitigates generation deferral and peak shaving, improves systems flexibility, avoids penalties due to deviation, etc., and increases the system's transmission and distribution capacity. Energy storage plays an important role in EVs' performance in the short-term planning of charging and discharging. The project aims to achieve optimal and efficient modeling for the economic viability of large energy storage systems and the sustained operation of EV charging infrastructure.

Project Title: **Economically viable modeling of EV charging stations with energy storage rights**
Lead Project Investigator: **Dr. Satish Sharma**
The minimum essential and desirable qualifications for the project posts are as follows:

Name of the position	Junior Research Fellow (JRF), One (01)
Eligibility	-M.E./M.Tech. degree in Power Engineering/ Energy Engineering /Electrical Engineering (or Equivalent) or -M.E./M.Tech. in Computer Science & Engineering/ Computer Engineering/ Information Technology -GATE/NET qualification is mandatory.
Duration	For a period of one year. It can be extended up to the completion of the project based on the performance
Fellowship	Rs. 25,000/-per month (consolidated).
Desirable	-Candidates with a strong background in programming skills (preferably MATLAB, GAMS, Python, etc), Algorithms and Knowledge of Machine learning/Deep learning methods are encouraged to apply. -The selected candidates shall be encouraged to register for PhD at MNIT Jaipur in the Dept. of Electrical Engineering based on the qualification.
Application Procedure	Interested and eligible candidates -Fill the Google form by clicking the link below : https://forms.gle/imxj24YcNVrfPTuX7 -Send your CV to **satish.ee@mnit.ac.in** with the following subject line till **15th May 2025**: "Application for a JRF Position under DST Rajasthan sponsored project".

Short-listed candidates will be informed to appear for an interview on a convenient date (which will be informed separately via email).

***Important Instructions**: The assignment is purely temporary in nature. All the terms and conditions for this recruitment will be as per the guidelines of MNIT Jaipur and/or DST, Govt. of Rajasthan. All original documents in support of educational qualifications and work experience must be produced at the time of interview/joining. No TA/DA will be provided for appearing in the interview. Shortlisted candidates will be informed by email with the date. Candidates are advised to check their emails regularly. The selected candidate shall be encouraged to register for the Ph.D. programme at MNIT, Jaipur.*

The candidates may contact the principal investigator directly by email/phone for any other information.

Dr. Satish Sharma (Principal Investigator)
Assistant Professor, Department of Electrical Engineering
MNIT Jaipur, JLN Marg, Jaipur
Rajasthan-302017, India
Email: satish.ee@mnit.ac.in, Phone: +91-9549650807