Malaviya National Institute of Technology Jaipur

Advertisement for JRF Position

Date: 16th Sept. 2022

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 *Science and Engineering Research Board (SERB)*. The theme of the project is as follows:

The increasing number of EVs shall consequently increase the demand for electricity for charging EVs. The growing energy demand for charging will burden existing electricity supply and distribution system infrastructure, all the more during high charging requirement hours. The situation will likely aggravate with the wider adoption of rapid charging mode when EV owners would like to charge fast within a shorter time span. The project provides long-term solutions to EV charging challenges considering the interests of EV owners as well as charging station operators while avoiding DT overloading.

Project Title: **EV Charging Coordination and Navigation Solutions for Smart Cities**

Project Investigators: Dr. Parul Mathuria and Dr. Rohit Bhakar

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) - M.E./M.Tech. in Computer Science & Engineering / Computer Engineering/ Information Technology/ or MCA with 60% marks or CGPA of 6.5 and above, with B.Tech. in Electrical engineering/ Electrical and Electronics Engineering/ Electrical instrumentation engineering/ Electrical and Computer Engineering -GATE/NET qualification is mandatory.
Duration	Initially, for a period of one year and can be extended up to the completion of the project based on the performance
Fellowship	Rs. 31,000/-per month + HRA (as per rules) for one year.
Desirable	● Candidates with a strong background in programming skills (preferably MATLAB, GAMS, Python), 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 Centre for Energy and Environment based on the qualification.
Other	As per updated DST norms
Application Procedure	Interested and eligible candidates: 1. ***Fill out the Google form by clicking the link below*:** **https://forms.gle/DzgVnatrU3Rt97WLA** 2. Also, send your CV to parul.cee@mnit.ac.in with the subject line: Application for a JRF Position under this project **before *2 Oct. 2022.***

Short-listed candidates will be communicated 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 SERB, DST, Govt. of India. 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 e-mail 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.*

For any other information, the candidates may contact the principal investigator directly by email/phone.

Dr. Parul Mathuria (Principal Investigator)
Assistant Professor, Centre for Energy and Environment
MNIT Jaipur, JLN Marg, Jaipur
Rajasthan-302017, India
Email: parul.cee@mnit.ac.in, Phone: +91-9549650808