NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION

NITR/SR/2022/Advt-21EE064/L/016, dt. 17.05.2022

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Design and Control of a Fast and Efficient Electric Vehicle (EV) Charger for Domestic Installation." Selected candidate may enroll in Ph.D. / M. Tech (R) Programme in the **Department of Electrical Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	**SR/21/EE/064**
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	Design and Control of a Fast and Efficient Electric Vehicle (EV) Charger for Domestic Installation
4	Name of the Sponsoring Agency	SCIENCE& ENGINEERINGRESEARCHBOARD(SERB) New Delhi
5.	Tenure of the Project	3 years (11-03-2022 to 10-03-2025)
6	Tenure of the Assignment	Initial for a period of one year (Extendable to three years upon satisfactory performance)
7.	Job Description	To carry out the research work (Experimental), in the field of Power Electronics for EV Charging Applications. Research Articles publication in reputed journals. Scope to enroll as a Ph. D. Scholar in Electrical Engineering (has to satisfy Institute / Department Eligibility Criteria)
8.	Consolidated monthly compensation / Fellowship	INR 31,000 (1st & 2nd year) and INR 35,000 (3rd year), HRA can be provided as per Institute and GOI norms [for NET / GATE]
9.	Essential Qualifications and experience	M.Tech/M.E/ in Power Electronics/Power Electronics & Drive/Control system/other relevant specialization with 65% marks or 7.0 CGPA, along with Institute norms.
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score. Hand on experience on Power Electronic hardware design, Embedded Systems (DSP/FPGA)
11.	Accommodation	Bachelor / Married accommodation in the Institute may be provided subject to availability.

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name	: Prof. Venkata Ramana Naik N
Address	: Department of Electrical Engineering- National Institute of Technology Rourkela, Odisha 769 008.
Tel. No.	: 0661-246 2406
Mobile	: 8763983981
E-mail	: nenavathv@nitrkl.ac.in

Date and Time for **On-line / Offline** Interview: **Will be notified later.**

Place of Interview: **Department of Electrical Engineering, NIT Rourkela**

Eligible candidates may apply within **15.06.2022**, 23:59 HRS. The candidates are required to send the complete filled up application form (Soft copy) to nenavathv@nitrkl.ac.in (**Subject of email: JRF EV Charger**) The application form is available in the following link: http://nitrkl.ac.in/oldwebsite/ Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build **a Single PDF** file; it is to be sent to Principal Investigator (nenavathv-@nitrkl.ac.in) **on or before 15.06.2022, 23:59 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

Sd/-
Asst. Registrar (SR)

Copy to:

1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
2) Prof. Venkata Ramana Naik N, PI with a request to give wide publicity to this advertisement.
3) Head of the Department, Electrical Engineering (EE).
4) Project file.