



**Birla Institute of Technology & Science, Pilani**

**Pilani Campus**

Grants Consultancy and Industrial Research (GCIR)

**CALL FOR RESEARCH STAFF (JRF) POSITION**

**Date: 02 July 2024**

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| <b>About:</b> Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time bound research project sponsored by the CPRI for a temporary period purely on contractual basis as per the following details: |   |
| <b>Position:</b>   | Junior Research Fellow (JRF)  |
| <b>Number of Vacancy:</b>  | 01  |
| <b>Project Title:</b>  | Photovoltaic Fed Microgrids: Integrated Intelligent Harmonic Control to Enable Electric Vehicle Charging  |
| <b>Funding Agency:</b>   | Central Power Research Institute (CPRI)   |
| <b>Principal Investigator (PI):</b>  | Prof. Hari Om Bansal, Department of Electrical and Electronics Engineering  |
| <b>Project Tenure:</b>   | 9 Months (Up to March 2025)   |
| <b>Job Description:</b>  | This project aims to develop charging schemes for solar assisted wide band gap based fast EV chargers. The candidate will assist the PI in development and testing of the control algorithms and prototype development of the complete system.  |
| <b>Qualification:</b>  | <b>Minimum Qualification:</b> First class M.E/M.Tech in power electronics/power quality/control systems or in any other equivalent fields from a recognized University or equivalent. Prior working experience on developing of algorithms for Electric vehicle charging, controller-based hardware projects and knowledge of power electronics based system/courses will have added advantage.<br><b>Desirable: GATE/NET qualified</b> |
| <b>Upper Age Limit:</b>  | Age not exceeding 32 years.   |
| <b>Fellowship:</b>   | 37,000/- (initially first two years) per month for <b>GATE/NET-qualified candidates.</b><br><b>42,000/- Per month for third year as SRF</b>   |
| <b>Registration for PhD.:</b>  | Selected candidates may be permitted to register for the PhD program of BITS Pilani subject to fulfilling the requirements of the PhD qualification process as per the institute norms.   |

**How to Apply:**

Applications along with updated CV should be sent through mail to [hbansal@pilani.bits-pilani.ac.in](mailto:hbansal@pilani.bits-pilani.ac.in) with subject line as – ‘**Application for JRF- CPRI Project**’

Shortlisted candidates will be informed of the interview which will be conducted through online mode. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements of the project.

**Please note that only qualified and suitable candidates will be called for an interview.**

**Application Deadline: 15 July 2024**

Contact Email: [hbansal@pilani.bits-pilani.ac.in](mailto:hbansal@pilani.bits-pilani.ac.in)

