



# Birla Institute of Technology & Science, Pilani

Pilani Campus

Sponsored Research and Consultancy Division (SRCD)

## CALL FOR RESEARCH STAFF POSITION

Date: 06 February 2023

<b>About:</b> Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF)/ Project Associate-1 in a time bound research project for a temporary period purely on contractual basis as per the following details:	
<b>Position:</b>	Junior Research Fellow (JRF)/Project Associate-1
<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), BANGALORE
<b>Principal Investigator:</b>	<b>Dr. Hari Om Bansal</b> , Department of Elect. & Electronics Engineering (EEE)
<b>Project Tenure:</b>	2 Years
<b>Job Description:</b>	This project aims to develop advanced charging schemes for solar assisted wide band gap based fast EV chargers. The candidate will assist the PI in purchase of components, develop and testing of the control algorithms and prototype development of the complete system. He/she will also write research papers in indexed journals, conferences and put efforts in applying for patents.
<b>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. <i>Desirable:</i> GATE/NET qualified.
<b>Upper Age Limit:</b>	Age not exceeding 35 years as on the date of interview. Age relaxation is allowed up to 5 year for SC/ST/PH/OBC/WOMEN candidates.
<b>Fellowship:</b>	31,000/- per month for NET/GATE qualified candidates. 25,000/- per month for non-NET/GATE qualified candidates.
<b>Registration for PhD.:</b>	Selected candidates will be given the opportunity for a full time PhD program at BITS, Pilani 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). Shortlisted candidates will be informed for the interview. 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 requirement of the project. Please note that only qualified and suitable candidates will be called for an interview.

**Application Deadline: 21<sup>st</sup> February 2023**

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

