

Indian Institute of Science, Bengaluru
Advertisement for the post of Project Associate (Ref: EE-PEG-SH-20230621)

Project associate position is open in the Power Electronics Group at the Department of Electrical Engineering, Indian Institute of Science, Bangalore.

Job Responsibilities - What you will do and learn:

- Design and development of power electronics hardware including power circuits, gate drivers, signal processing and embedded controller design for converters for dc voltage of 800-1500V dc and power up to 250kVA
- Embedded firmware development in C for TI microcontrollers
- Hardware testing of both components and full converter system
- Circuit simulations in PSPICE, PLECS and MATLAB
- Design PCB using Altium
- Document design details and test reports and make presentations.

Required Qualifications:

- Bachelor or masters degree in electrical engineering or any other equivalent field
- Strong background in power electronics and hardware experience is plus
- Familiarity with TMS320 series of digital processors is preferred.
- Experience on working with FPGA programming is plus
- Have a good attitude to working in a collaborative environment

Application Format:

The last date for receiving the applications will be **15th July, 2023**. Interested candidates should submit the application package by email to Dr. Samir Hazra at samirhazra@iisc.ac.in with subject of the email as the reference number (Ref: EE-PEG-SH-20230621) mentioned in this advertisement.

The application should include the following details.

1. CV
2. B-Tech and M-Tech (if applicable) transcripts
3. Cover letter (< 1 pages) outlining your background, research and career interests.

Selection Process:

Candidates will be shortlisted based on their application package, and the shortlisted candidates will be called for an online interview. The selection of the candidates will be based on their performance in the online interview. Salary will be decided as per IISc norms.

Dated: June 21, 2023