

Indian Institute of Science, Bengaluru, Karnataka 560012

Advertisement for Project Associate Position in Electrical Engineering (Ref: EE-PEG-23122024)

- Research Area:** Power Electronics
- Job description:** Development of hardware for power electronics converters, with a focus on multilevel inverters; implementation of gate driver and protection circuits; control pulse generation using TI microcontrollers; simulation using MATLAB; and PCB design using Altium.
- Required qualifications:**
- (1) Bachelor or master's degree in electrical engineering
 - (2) Strong expertise in power electronics, particularly in the development of power converter hardware and the programming of microcontrollers for control pulse generation.
- Application Format:** Interested candidates should submit the application package by email to Dr. Tapas Roy at tapasroy@iisc.ac.in with the email's subject as the reference number (Ref: EE-PEG-23122024) mentioned in this advertisement.
- The application should include the following details.
1. CV
 2. B-Tech and M-Tech (if applicable) transcripts and certificates
 3. Cover letter (< 1 page) outlining your background and reason for your interest in this position.
- The last date for receiving the applications will be **January 22th, 2025, 5pm.**
- Selection Process:** Candidates will be shortlisted based on their application package, and those selected will be invited for an online interview. Final selection will be determined by performance in the interview.
- Salary:** Rs 31000 per month +HRA
- Duration:** up to 1 year with a 3-month probation