



Indian Institute of Science
Interdisciplinary Centre of Energy Research
CV Raman Road, Bengaluru
Karnataka - 560012

Advertisement for the position of Project Associate in the 'Power and Electricals' vertical of the Interdisciplinary Centre for Energy Research (ICER), IISc

Job Role: Project Associate (On contract)

Area of Work: Power Electronics and Electrical Drives

Job Summary: The primary responsibilities will include setting up a new motor-generator testbed driven by power electronic converters and controlled using digital controllers. The job includes the development of the control scheme for the testbed, assistance with the procurement of the required equipment and components, the development of voltage-source inverters (VSIs), and the implementation of closed-loop control for one of the machines.

No. of positions: 1 (One).

Required Qualifications: B.E. / B.Tech in Electrical Engineering is mandatory. The candidate should also hold a Master's Degree in Electrical Engineering, preferably in Power Electronics and/or Drives.

Required Skills:

- **Mandatory:** Understanding of vector control of rotating machines, fundamentals of closed-loop control and PI-based current control systems, 2-level VSI operation and pulse-width modulation techniques, MATLAB / Simulink for simulation of drives, C Programming.
- **Preferred:** PCB development, familiarity with the fabrication process of motors, ANSYS Maxwell and MotorCad, Texas Instruments DSP F28379D and its programming using Code Composer Studio, AutoCAD

Duration: 10 to 12 months.

Salary: As per IISc norms.

Last Date to Apply: 15 September 2026

Form to apply: <https://forms.gle/gZQVpvQQ1znTS9nAA>