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IIT
Indore

October 29, 2024

Advertisement for Project Associate Positions

We invite applications for **two Project Associate positions** for a SERB-sponsored project on “**Rare-Earth Magnet Free High-Density Switched Reluctance Machine for Design of Indigenous Electric Vehicles**”.

The position details are,

Eligibility:

- M.Tech. degree in Electrical Engineering.
- Expertise in design, modelling and control of special machines especially switched reluctance machines and multiphase machines.
- Hands on experience of Power Electronics like, gate driver design, PCB design, converter design and testing.
- Basic programming skills of DSP, FPGA and other controllers.
- Software skills: MATLAB, Lt-Spice, KiCad, Electromagnetic simulation software's like Ansys / FEMM / JMAG.

Monthly Emoluments

- Project Associate-I : As per SERB norms
- Project Associate -II : As per SERB norms

Note: The position (Associate-I or Associate-II) will be determined based on the candidate's M.Tech. degree, experience, and GATE qualification.

Duration: 1 year, extendable up to 3 years based on performance.

Ph.D. Admission Opportunity at IIT Indore under FA category:

Project Associates with a GATE qualification are eligible to apply for Ph.D. admissions at IIT Indore during Autumn or Spring semesters.

Location: Electrical Engineering, IIT Indore, Madhya Pradesh.

Key Responsibilities:

- Design, modelling and control of switched reluctance machines (SRM) and multiphase machines.
- Design and development of power electronic converters.
- Participate in project-related discussions, presentations, and potential publications.

How to Apply:

Interested candidates should email a detailed resume (including educational qualifications, experience, and technical expertise) to Dr. Prathap Reddy at bprathap@iiti.ac.in For more details about PI of the project, please visit the website: <https://sites.google.com/iiti.ac.in/bprathap>

Deadline for Application: **November 18, 2024**

Interview Notification: Shortlisted candidates will be notified by **November 20, 2024**, for online interviews.