Advertisement No.: IRCC/EXT019/2024

Job Title
Project Research Scientist

Job Reference Number
50561764

Application End Date
16.02.2024

Type of Employment
Proj. Staff Contract

No. of Position(s)
1

IITB Project Recruitment:

Project title: Automation of Surface Mounted Permanent Magnet Machine Analysis

About the project: The candidate will work with the professors and other research staff on a collaboration project between Eaton and IIT Bombay. The project involves powertrain evaluation for electric vehicles. The project requires candidates with expertise in developing programs to evaluate electric machines, in thermal and electromagnetic domains. The evaluation platforms will be a combination of Matlab, FEA software, and relevant power electronics software.

Essential Qualifications & Experience:
- PhD in machines or Power electronics (1 year experience is advantageous)
- Expertise in machines/power electronics modeling and analysis
- Ansys Maxwell or equivalent FEA software for electro magnetics
- Matlab & Simulink for power electronics' simulations and thermal evaluations
- Experience with control of electric drives

Job Profile:
Based on the candidate's expertise, he/she will be assigned to either machines or power electronics or thermal evaluation aspects. The candidate is required to write codes and relevant algorithms in either Matlab or Python to perform the aforementioned.

Pay Details:
Level PR-O2: Salary range from Rs.42000 to Rs. 84000 + Rs.7500.00/- Out Of Campus Allowance (if applicable) p.m.

General information:
The position is temporary for a period of 1 year and tenable only for the duration of the project.
The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.
Candidates called for interview will be required to attend at his/ her own expenses.
For any queries/clarification please contact: recruit@ircc.iitb.ac.in