JRF in DRDO-sponsored project at the Energy Systems Research Lab @ IIT Gandhinagar

At the Energy Systems Research Laboratory at IIT Gandhinagar, we specialize in the design of fuel cell systems, fuel reforming techniques, multi-scale modelling, and simulation. Our group is currently seeking three outstanding candidates to strengthen our research team as Junior Research Fellow(s) in the DRDO-sponsored project on Demonstration of a Novel Compact, Lightweight Fuel Cell-based Power Pack Platform for Unmanned Aerial Vehicles.

Role highlight

Learn advanced technologies and the complete engineering process to convert concepts to products. Ideate, design, build, integrate, test and validate a range of different technologies across mechanical engineering, electrical engineering chemical engineering and chemistry.

Key Responsibilities

- Apply engineering skills to design and build fuel cell systems, sub-systems, and components.
- Develop detailed technical specifications and drawings.
- Design, build and test control algorithms for the fuel cell system.
- Engage with a diverse multidisciplinary team to achieve project milestones.

Desired Qualifications

- BTech/ B.E. degree in Mechanical, Electrical or Chemical Engineering OR MSc in Chemistry with GATE/ NET qualification (or other qualification as per DST guidelines)
- Candidate with hands-on experience in building experimental setups will be preferred.
- Proficiency in technical drawing, CAD and specification preparation is preferred.
- Strong teamwork and communication skills, willingness to learn and work with one's hands to design and build a complete system from scratch.

Duration:

The initial appointment will be for one year, which may be extended by a further year based on performance.

No of positions: 3

Remuneration: ₹ 37,000.00 per month + 27% HRA[1]

Application procedure:
Complete the online application here:
https://forms.gle/r4egtWw7ZFWcN8ScA

Key Dates :

Last Date of Application	29/03/2024
Shortlisted Applicants announcement on website	03/04/2024
Online interviews	05-06/04/2024
On campus interview (if necessary)	08-13/04/2024
Final Announcement	20/04/2024
Joining date	To be intimated to the successful candidate

For further information, kindly write to Prof. Atul Bhargav (atul.bhargav@iitgn.ac.in)

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[1] Generally, campus accommodation will be provided. However, in case it is not provided, then HRA will be applicable as indicated