

Project Scientist-I 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 two outstanding candidates to strengthen our research team as Project Scientist-I in the DRDO-sponsored project on Demonstration of a Novel Compact, Lightweight Fuel Cell-based Power Pack Platform for Unmanned Aerial Vehicles.

Role highlight

Develop lightweight, and compact fuel cell power pack designed to reliably deliver power for long endurance UAV flights. The project focuses on achieving a high Technology Readiness level (TRL) demonstration in a fast-track project.

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

- Doctoral degree in Mechanical or Chemical Engineering (candidates who have submitted their PhD thesis may also apply).
- Candidate with hands on experience in fuel cell technology and balance of plant design will be preferred.
- Proficiency in technical drawing and specification preparation.
- Strong teamwork and communication skills.

Duration:

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

No of positions: 2

Remuneration: ₹ 56,000.00 per month + 27% HRA

Application procedure:

Complete the online application here:

<https://forms.gle/4nLGUD1pKoBMrNHj9>

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)