



## INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

Department of Mechanical Engineering

Energy Systems Research Laboratory

Gandhinagar, Gujarat – 382355

<https://www.iitgn.ac.in/research/fuelcelllab/index.php>

Date: 28-09-2018

Energy Systems laboratory invites application for Junior Research Fellow (JRF) for sponsored projects by DST (RES/DST/ME/P0063/1718/0004) and IMPRINT (RES/IMPRINT/ME/P0013/1718/0026) research projects.

At the Energy Systems Research Laboratory at IIT Gandhinagar, we develop hydrocarbon fuel processing technologies for fuel cell system applications. We build experiments and demonstration units; we also use multi-scale modelling and simulation extensively. Our group is looking for an outstanding candidate to strengthen our research team as a Junior Research Fellow (JRF). The Fellow will work on challenging assignments involving both experiments, analysis, design and simulation and will be required to deliver in a tight schedule.

We are looking for motivated and enthusiastic students to embark on applied research in experimental and simulation studies. Excellent oral and written skills in English are necessary. Graduates and undergraduates with degrees in Mechanical Engineering or Chemical Engineering are encouraged to apply. GATE qualification is mandatory to apply. People with hands on experience in this or allied fields will be preferred.

### **Title of the Projects:**

1. Prototype demonstration of CHCP system for scalable building energy use based on Methanol powered fuel cell systems. (RES/DST/ME/P0063/1718/0004)
2. Scale-up of Diesel Autothermal Reformer from 5 kWe to 30 kWe for Naval applications (RES/IMPRINT/ME/P0013/1718/0026)

### **Total number of vacancies: 3**

<b>Sr. No.</b>	<b>Projects</b>	<b>Number of Vacancies</b>
1.	DST Project (RES/DST/ME/P0063/1718/0004)	1
2.	IMPRINT Project (RES/IMPRINT/ME/P0013/1718/0026)	1
3.	DST & IMPRINT Project (RES/DST/ME/P0063/1718/0004 & RES/IMPRINT/ME/P0013/1718/0026)	1

**Principal Investigator:** Dr. Atul Bhargav, Associate Professor, IIT Gandhinagar, Email: atul.bhargav@iitgn.ac.in

**Consolidated Monthly Pay:** ₹ 25,000

**Duration:** 6 months; can be extended subjected to performance review. Appointment is only for the duration of the projects (both ending in May 2020).

**How to apply:**

The interested candidates can fill the google form (link given below) before 07/10/2018 23:59 hrs.

[https://docs.google.com/forms/d/e/1FAIpQLSdlyUltMQG4ONadwzf6Yc\\_EFqhvVDnOHws5VbTTpG9aMLexMA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdlyUltMQG4ONadwzf6Yc_EFqhvVDnOHws5VbTTpG9aMLexMA/viewform?usp=sf_link)

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**Key Dates:**

Last Date of Application	07 Oct 2018
Announcement of Shortlisted candidates on website	15 Oct
Telephonic Interview	16-17 Oct
On campus/ Skype Interview	18-19
Announcement of selected candidates	Before 26 Oct 2018
Date of Joining	Latest by 05 Nov 2018

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In case of any queries kindly contact the undersigned.

Mayuri Madhukar Kushare  
Project Associate  
Energy Systems Research Lab  
IIT Gandhinagar  
Email: mayuri.kushare@iitgn.ac.in