



# Indian Institute of Technology Gandhinagar

## Advertisement for Junior Research Fellow (JRF)

Applications are invited for the “Junior Research Fellow” position at IIT Gandhinagar for a research project titled “Investigating Air Quality and its Dynamics in Built Environments in Urban India” sponsored by SERB DST.

**Consolidated Monthly Pay:** Rs. 31,000/-

**Principal Investigator:** Prof. Sameer Patel, Chemical Engineering and Civil Engineering

**Project Description:** Indoor air pollution in urban built environments in India is often overlooked but can be critical, considering many spend most of their time indoors. Moreover, a well-designed and operated built environment can protect us from outdoor air pollution. The project aims to develop (1) a cross-sectional longitudinal indoor air quality dataset and (2) develop models for the source, transport, and fate of indoor pollutants.

**Required Background/Skills:** The selected candidate will work on an interdisciplinary team at the Energy, Environment, and Exposure Laboratory (EEEL) with overlapping domains of measurement, modeling, and mitigation of indoor air pollution.

The following skill set is required.

- Experience in setting up and performing experiments
- Knowledge of data processing, QA, QC, and visualization.
- Ability to find relevant resources and go through them to quickly and efficiently acquire new skills required for the project
- Experience in preparing scientific reports and manuscripts.

### Eligibility Criteria:

- A Bachelor's (BE, BTech) with a valid GATE score or Master's (MSc, MTech) degree in Chemical Engineering/ Mechanical Engineering/ Civil Engineering from a recognized academic institute
- Candidates from other engineering branches can apply only if they have the necessary background and skills.

**Terms:** The initial appointment will be for a Six Months starting March 2023, with an option of further extension depending on the performance and fund availability.

### How to Apply:

Interested candidates should fill out [this Google Form](#). Candidates will be shortlisted based on the information provided via the Google Form.

Google Form Link: <https://forms.gle/o9wuMVxXAANaSpZ7>

Candidates shortlisted for the interview must submit a copy of all degree certificates and GATE scores before the interview. Submission details will be provided at an appropriate time.

**Deadline:** The last date for application is 5<sup>th</sup> March 2023.

Prospective candidates may contact Prof. Sameer Patel by email (sameer.patel@iitgn.ac.in) in case clarifications are required before submitting their applications.