



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT139/2023

Job Title

Project Manager

Job Reference Number

50458128

Application End Date

30.05.2023

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: Integration of experimental computational and live data from different ventilation sub-projects

About the project: Indoor ventilation is a multi-faceted problem involving airflow, particulate matter, outdoor pollution level and human expiration, along with mechanical and other interventions. Different sub-projects outlined under the ventilation initiative at IITB are directed towards different aspects of the overall problem. These include computational fluid dynamic simulations (subproject 3,6), PM and CO₂ measurements (subproject 2,5), air flow measurements in laboratory scale experiments (subproject 7,8) and others. The data from these studies is to be integrated into a common framework, with appropriate scaling. Biological data of respiratory rates and pathogen infectivity will also be used as an input to develop a reactor-type model of indoor ventilation. The model is expected to predict indoor air quality parameters and the effect of different interventions.

Essential Qualifications & Experience:

PhD

OR

MTech/ME/MDes or equivalent degree with minimum 4 years relevant experience

OR

BTech/BE/MA/MSc/MCA/MBA or equivalent degree with 6 years relevant experience

- The candidates with exposure and interest in fluid mechanics, CFD, and design and Analysis software like PRO-E, CATIA, SolidWorks, Ansys, OpenFOAM, and Linux will be given preference.
- Knowledge of using different measuring tools and sensors related to air and its quality.
- Time bound result-oriented Project management skills.
- Good with computational skills.
- candidates with relevant experience in academic institutions such as IITs are preferred.

Job Profile:

- The candidate will be responsible for completion of IoT based ventilation of indoor spaces project. This will include, but not limited to, management and coordination of OEM/Vendors, PIs and Co-PIs of project and subprojects.
- The role includes managing the research with faculty and staffs associated with ventilation work.
- Overseeing and coordination between different sub-project and compile data from different

sources, compile reports and presentations, and coordination with TIH.

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