



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT277/2024

Job Title

Project Research Engineer

Job Reference Number

50630986

Application End Date

19.09.2024

Type of Employment

Proj. Staff Contract

No. of Position(s)

2

IITB Project Recruitment:

Project title: Maharashtra Drone Mission

About the project: MDM is funded by the Government of Maharashtra towards fully leveraging drone technology for use by society in various applications. IIT Bombay will be the nodal agency and will be associated with multiple regional and district level centres for the successful implementation of the project. This project is multifaceted as it involves R&D, prototype development, field demonstration, capacity building and policy making in terms of drone development and its usage in various applications.

Essential Qualifications & Experience:

MTech/ME/MDes or equivalent degree

OR

BTech/BE/MA/MSc/MCA/ MBA or equivalent degree with 2 years relevant experience

Candidate should have working experience in:

- UAV Systems Design and Industrial Automation
- UAV Flight Dynamics and Flight Data Analysis
- Collision Avoidance and Path Planning Control
- MATLAB /Python, SolidWorks/AutoCAD/Creo

Additional knowledge/expertise:

- Air Traffic Control
- Aircraft Communication/Surveillance Avionic Systems
- UAV Traffic Management and UTM Policy Framework

Job Profile:

- Design of UAV Traffic Management (UTM) Systems and Automations.
- Implementing Air Traffic Management Strategies, Multi-Agent Collision Avoidance and Cooperative Path Planning Algorithms on UAVs.
- UTM and UAV System Performance Testing and Flight Data Analysis.
- Collaborating with Team members for Design, Electronic Integration, Assembly and Testing of UAVs and Operational project equipment.
- Document design processes, test results, and provide technical reports
- Any other work assigned as per requirement.

Pay Details:

Level: PR-O1: Salary range from Rs.33600 to 67200 + Rs.6250.00/- 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