



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT026/2024

Job Title

Project Research Engineer

Job Reference Number

50563621

Application End Date

21.02.2024

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: Development of smart drone ecosystem and demonstration of social applications towards larger drone deployment strategy of Maharashtra

About the project: This project focuses on developing and demonstrating drone technologies and drone ground control stations. The project will specifically address societal needs, such as agriculture, disaster management, and emergency service delivery through the utilization of advanced technologies and critical infrastructure. Strong industry connections and collaborations will be fostered to solve pertinent challenges and drive technological advancements. Additionally, comprehensive drone training and awareness programs will be provided to ensure proficiency and understanding among people.

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 experience in:

- Drones / aerial robots;
- Mobile ground station with the required drone control hardware instruments;
- Selection, installation, and integration of instruments for drone communication, monitoring, and navigation on a mobile ground station;
- Geographic information systems (GIS) and mission tool;
- Basic fabrication and programming skills;
- ROS / GAZEBO;
- Knowledge on electro-mechanical systems

Job Profile:

- Development of mobile ground station with the required drone control hardware instruments.
- Selection, installation, and integration of instruments for drone communication, monitoring, and navigation on a mobile ground station.
- Design and fabrication of autonomous drone docking stations featuring battery charging/swapping and payload management.
- Any other work assigned as per requirement.

Pay Details:

Level PR-O1: Salary range from Rs.33600 to Rs. 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 depending on the candidate's performance, the contract will be renewable annually till the duration of the project, i.e., till March 2025. 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