



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT264/2024

Job Title

Project Research Engineer

Job Reference Number

50628087

Application End Date

05.09.2024

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 a part of the drone ecosystem for societal applications in rural areas, aligning with Maharashtra's larger drone deployment strategy. 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:

- UAV Communication System and Protocols
- Autopilot Design and Development (Software)
- Hardware-in-loop (HIL) Testing
- AI, ML, Data Science
- Language: Python, ROS Basics, Bash, C.

Job Profile:

- Responsible for developing UAV-to-UAV, UAV-to-Ground Control Station (GCS), and UAV-to-Network communication algorithms
- Responsible for various algorithms and protocol testing in HILS for UAV communication systems
- Collaborate with cross-functional teams to ensure seamless integration of UAV communication systems and for UAV communication testing on the ground
- 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