



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT389/2023**

## **Job Title**

Project Research Engineer

## **Job Reference Number**

50513581

## **Application End Date**

14.11.2023

## **Type of Employment**

Proj. Staff Contract

## **No. of Position(s)**

1

## **IITB Project Recruitment:**

Project title: Institute of Eminence (IOE Cell) project

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.

Post is reserved for OBC-NCL

## **Essential Qualifications & Experience:**

MTech / ME or equivalent degree

OR

BTech / BE or equivalent degree with minimum 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 (annual increment: Rs. 4800) + Rs.6250/- 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](mailto:recruit@ircc.iitb.ac.in)

- Applicants seeking reservation benefits available to OBC (NCL) must attach relevant certificates in the format as prescribed by the Central Government to support their claim. Applicants seeking reservation benefits available to OBC (NCL) category are required to attach a declaration, in addition to certificate in the prescribed format issued by the Competent Authority enclosed at Annexure I.

ANNEXURE – I  
DECLARATION

“I, ..... son / daughter of Shri  
..... resident of village/town/ city  
.....district ..... state hereby declare that I belong to  
the ..... community which is recognized as a backward class by  
the Government of India for purpose of reservation in services as per orders contained in Department  
of Personnel and Training Office Memorandum No.36012/22/93-Estt. (SCT) dated 8.9.1993. It is also  
declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the  
Schedule to the above referred Office Memorandum dated 8.9.1993 and its subsequent revision  
through O.M.No.36033/1/2013-Estt. (Res) dated 27.05.2013 and 13.09.2017”.

Signature of the Candidate

Name of the Candidate

Place:

Date: