# INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

## ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Dated: 4/8/2026

Applications are invited from Indian nationals only for project position(s) as per the details given below for the **research** project(s) under the Principal investigator **Prof. Bodhibrata Mukhopadhyay**, Deptt./Centre of **Electronics & Communication Engineering**, Indian Institute of Technology, Roorkee.

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|---|---|---|---|
| 1. | Title of project | : | Design and Deployment of a Distributed and Resilient UAV Swarm Localization Framework with Reduced GNSS Dependency Using Passive Hyperbolic Estimation |
| 2. | Sponsor of the project | : | ANRF |
| 3. | Project position(s) and number | : | JRF (1) |
| 4. | Qualifications (Eligibility) | : | i) M.E/M.Tech. in EC/CSE/EE or equivalent with CGPA >= 7.0; or B.E./B.Tech. in ECE/CSE/IT or equivalent with CGPA >= 7.5 (out of 10.0); or MSc in Electronics/Physics or equivalent with CGPA >= 7.5 (out of 10.0).<br><br>ii) Qualified national-level test (GATE/NET/etc.) or a degree from a CFTI |
| 5. | Emoluments | : | Rs. 37000 + HRA |
| 6. | Duration | : | 1 Years |
| 7. | Job description | : | Required skill:<br>a) PCB design and fabrication<br>b) Embedded programming (ESP32, nRF, STM32)<br>c) Knowledge of Serial communication protocols (SPI, I2C, UART, CAN)<br>d) Communication software stack development<br>e) Coding: ESP-IDF, Python, MATLAB |

8. The selected candidate may get an opportunity for PhD admission.

**9. Terms & Conditions:**

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents through link by 18/8/2026:
    - CV
    - Degree Certificates

- Experience Certificates

3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

10. The online interview will be held on ~~21 August 2026 (Friday)~~ 22 August 2026 (Saturday) at 10:00 AM.

The last date for application to be submitted to office of Principal Investigator is **18/8/2026** by **11:59 PM.**

Please submit your application via the following link: https://forms.gle/JRYkkYd6Qn36DUgv7

Tel:

**Prof. Bodhibrata Mukhopadhyay**
**Principal Investigator**
**Electronics & Communication Engineering**
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**Signature of Dean SRIC**

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.