

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Electronics and Communication Engineering)

Dated: 01/02/26

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Dr. Bodhibrata Mukhopadhyay**), **Dept. of Electronics and Communication Engineering**, Indian Institute of Technology, Roorkee.

1. Title of project: **SkyLARC: Development of Long range joint Ranging and communication for UAV's**
2. Sponsor of the project: **ISRO**
3. Project position(s) and number: **Junior Research Fellow (JRF)- 01 no.**

Position	No.	Minimum Qualifications	Monthly Emoluments	Job Description
Junior Research Fellow	1	<p>i) M.E/M.Tech. in EC/CSE/EE or equivalent with CGPA ≥ 6.0; 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).</p> <p>ii) Qualified national-level test (GATE/NET/etc.) or a degree from a CFTI</p> <p>Applicants failing to satisfy both conditions will not be considered.</p>	₹37,000 + 10% HRA for 1 year	<p>Design and develop a ranging-and-communication solutions for UAV swarms. Required skill:</p> <ul style="list-style-type: none"> • PCB design and fabrication • Embedded programming (ESP32, nRF, STM32) • Knowledge of Serial communication protocols (SPI, I2C, UART, CAN) • Communication software stack development • Coding: ESP-IDF, Python, MATLAB

* The candidate should have a strong coding background and possess a good understanding of *embedded system design (H/W and S/W)*. Prior experience in designing and fabricating embedded/IoT systems is desirable.

4. Duration: Initially one year, with extension for up to one additional year, depending on the performance.
5. Eligible candidates must complete the application form by scanning the QR code.
6. Applications through email will not be entertained.
7. Preference will be given to SC/ST candidates on equal qualifications and experience.

Note: The selected candidate may get an opportunity for PhD admission.

The deadline for application submission is 19 February 2026, 11:59 PM.

The **online interview** will be held on **21 February 2026 at 10:00 AM**.



Application form link: <https://forms.gle/7tFaA5gnSEXJ9cJZ9>




bodhibrata

Dr. Bodhibrata Mukhopadhyay (PI)

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

Approved


 Dean
 Sponsored Research & Industrial Consultancy
 Indian Institute of Technology Roorkee
 Roorkee-247 667 (INDIA)

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