

DEAN SRIC OFFICE IIT ROORKEE
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**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Electronics and Communication Engineering)**

Dated: 15/10/25

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	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).* ii) Qualified national-level test (GATE/NET/etc.) or a degree from a CFTI	₹37,000 + 10% HRA for 1 year	Design and develop a ranging-and-communication solutions for UAV swarms. Required skill: • PCB design and fabrication • Embedded programming (ESP32, nRF, STM32) • 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)*, *linear algebra*, and *machine learning*. 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 should submit their applications with a detailed CV and copies of their degrees/certificates to the office of the Principal Investigator through email (bodhibrata@ece.iitr.ac.in)
6. Preference will be given to SC/ST candidates on equal qualifications and experience.

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

It will be a *rolling advertisement* until the positions are filled. The first deadline for submitting an application to the Principal Investigator's email is **15 November 2025, by 11:59 PM**.

Email: bodhibrata@ece.iitr.ac.in **Ph:** 01332-285593

Website: <https://sites.google.com/view/bodhibrata/>

Ty. 16/10/25
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

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Sponsored Research & Industrial Consultancy
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[Signature] 24/10/25

