

Advertisement for Project staff at Electrical Engineering and Computer Science Department, IISER Bhopal

Applications are invited from motivated individuals for the posts of **Project Associate-I (03 positions)** and **Project Scientist-I (01 position)** to work on UAV-related research in the Department of Electrical Engineering and Computer Science (EECS), IISER Bhopal.

Project title: UAV - aerodynamics, control, perception and planning related research

1. Project Associate-I (UAV Hardware & Flight Operations)

- a. No. of Positions: 02
- b. Fellowship: As per ANRF Monthly Emoluments rules stated in ANRF/OM/N-01/2024.
- c. Eligibility: Criteria as mentioned in ANRF/OM/N-01/2024.
- d. Desirable Qualifications:
 - i. Hands-on experience with UAV hardware development, assembly, and maintenance.
 - ii. Flight testing experience and operations handling.
 - iii. Experience with flight controllers (PX4, ArduPilot, etc.), sensor payloads, and hardware-software integration.

2. Project Associate-I (Edge AI & Systems Engineer)

- a. No. of Positions: 01
- b. Fellowship: As per ANRF Monthly Emoluments rules stated in ANRF/OM/N-01/2024.
- c. Eligibility: Criteria as mentioned in ANRF/OM/N-01/2024.
- d. Desirable Qualifications:
 - i. Strong programming skills in C/C++ and Python.
 - ii. Expertise in GPU acceleration, model optimization, quantization methods, and real-time inference for Edge AI deployment.
 - iii. System-level design, implementation, and hardware-software integration.
 - iv. Experience with Machine Learning, Deep Learning, and Computer Vision.

3. Project Scientist-I (Robotics & Control)

- a. No. of Positions: 01
- b. Fellowship: As per ANRF Monthly Emoluments rules stated in ANRF/OM/N-01/2024.
- c. Eligibility: Doctoral degree (Ph.D.) in Electrical Engineering, Computer Science, Aerospace Engineering, Robotics, or equivalent disciplines.
- d. Desirable Qualifications:
 - i. Strong academic and research background in Robotics, Control Systems, and Autonomous Navigation.
 - ii. Experience in control algorithm design (e.g., MPC, adaptive control, control barrier function-based controllers) and trajectory planning for aerial vehicles.
 - iii. Proficiency in ROS/ROS2, simulation environments (Gazebo, AirSim, MATLAB).
 - iv. Proven track record of publications in high-impact robotics journals or top peer-reviewed conferences.

4. Duration: The offer is for 12 months. If performance is good, the position can be extended.

5. How to apply: Eligible and interested candidates are requested to fill the google form

<https://forms.gle/pwmRdS9TaAi9aK7h8>

6. Last date of application: September 05, 2026.

The selected candidates are expected to join by September 30,, 2026.

Contact Information:

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