DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
(Institute of National Importance)
G T Road Bye pass, Jalandhar -144008, Punjab (India)

Advertisement for the Position of Intern

Applications are invited from interested candidates for one post of Full-time/Part-Time Intern to work on the project titled **"SHIELD: Smart High-endurance Integrated Environmental Long-endurance Drones",** under the MeitY initiative for "Capacity Building in Human Resource Development in Unmanned Aircraft System (Drone and Related Technology)." The intern will be appointed till the project is over or 31-Mar-2027 (Whichever is earlier).

S. No.	Position	Area of Specialization	Duration	Consolidated Salary	Number of Positions
1	Full time/ Part-time Offline/Remote intern in the role of Software Developer	Drone Systems, AI/ML, GPS Localization, Embedded Systems	Till the project is over or 31-Mar-2027 (Whichever is earlier).	Rs. 200/- per hour maximum upto 100 hours/month (part-time)	01 (One)

Eligibility:

1. The candidate must be an undergraduate pursuing a B.Tech/B.E. degree or a graduate who has completed a B.Tech/B.E. degree in CSE, ECE, ETC, E&C, E&TC, EE, EEE, EI, or a related discipline, with expertise or experience in Drone Systems, AI/ML, GPS Localization, full-stack development (both front-end and back-end).

2. Students pursuing BTech/BE from NIT Jalandhar would only be considered for part-time role whereas the candidates who have completed BTech/BE (from any recognized Institute) are eligible for a full-time role.

3. Candidates must have secured a first division (60% or 6.5 CGPA) or its equivalent at all stages of their degree education as a mandatory qualification. Candidates currently pursuing a B.Tech should have no backlogs and must have achieved a first division (60% or 6.5 CGPA) in the latest semester results available."

Objective of the Project: The project aims to develop an advanced prototype of long-endurance lightweight drones with AI-based real-time border activity detection and localization, focusing on autonomous operations and integration with GPS mapping and solar-powered endurance solutions.

Required Skill Set:

- AI/ML model development for object detection/classification in video feeds
- Drone hardware integration, sensor interfacing, and embedded programming
- GPS and localization algorithms and real-time data mapping
- Cloud computing platforms (AWS/Azure), basic full-stack or API design knowledge
- Knowledge of UAV systems, simulation tools, and power-efficient design .

Application Process: A duly filled and signed application form along with the requested details, self-attested scanned copies of certificates, relevant experience certificates, and other supporting documents, should be uploaded through Google form https://forms.gle/BwF53EFfkvhrKFSp6 within 15 days of the advertisement. Interviews will be conducted for all shortlisted candidates.

Attention:

- The applicant is responsible for the truthfulness of all information and documents submitted.
- Having the required qualifications does not guarantee an interview. Candidates will be shortlisted based on merit and project needs.
- Shortlisted candidates will be informed about the interview by email. Applicants must give a valid email ID and phone number.
- Shortlisted candidates must bring an updated CV and original plus attested copies of certificates/mark sheets for the interview. The interviews will be conducted in Offline mode for part-time role and online/offline for full-time role.
- The last date to submit the application through the online google form within 15 days of the advertisement.
- Details about the interview (date and time) will be shared with shortlisted candidates by email.
- No travel allowance (TA/DA) will be given for attending the interview.
- Applications received after the last date will not be considered.

Address for Correspondence

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