No.: Advt/ IITT/CSRC/2024-25/50   **Date: 13-03-2025**

Applications are invited from eligible Indian nationals for the **Project Engineer** post in a time-bound sponsored project undertaken in the Department of Electrical Engineering.

Temporary Position **Essential** **Qualification**	**Project Engineer** First Class (CGPA greater than 6.5 or 65% or more) in B.E / B.Tech in ECE / CSE or related areas or MCA / MSc (Math, Computers, Physics, Data Science or related fields) / 4 years BS degree with knowledge of Machine Learning and Python coding. *Relaxation:* 6.5 CGPA or 65% for OBC/EWS 6.0 CGPA or 60% for SC/ST/PWD
Project No.	ELE2324001DRDORAMA
Project Title	Design and Development of Algorithms for Online Long-Term Target Tracking
Sponsoring Agency	DRDO
Consolidated monthly Salary	Rs. 20000/ month including HRA
Principal Investigator	Dr. Rama Krishna Sai Gorthi
Department/Centre	Electrical Engineering
Tenure of Assignment	6 months and may be extended up to one more year based on the performance. Provision to consider for M.S (Research) / Ph.D. selections based on performance and eligibility criteria at IIT Tirupati.
Desired Experience	• Must have B. Tech or higher degree in ECE / EE / CSE / IT / AI / Data Science or related fields; MCA / MSc (Math, Computers, Physics, Data Science or related fields) / BS graduates from IISERs with relevant project experience are also eligible to apply. • Must be familiar with Machine Learning • Must be proficient in coding preferably in Python • Must have a CGPA greater than 6.5 or 65% or more marks in the qualifying degree. • valid GATE score is an added advantage
Nature of the Work	Study and review the recent trends and advances in algorithms to detect and track the designated person in a similar-looking crowd. 2. Develop algorithms to support the long-term tracking in both day and night with the capability to handle. a. Partial to full occlusion; b. Appearance and Pose change; c. Low Visibility like rain and foggy conditions; d. Illumination Change 3. Estimate the 3D position (in sensor space) of the person being tracked. 4. In-house dataset creation for training and testing. 5. Realisation of developed algorithms on GPU-based edge hardware.
Age Limit	Age limit- Not more than 27 years as of 31-03-2025 (Relaxed for exceptional candidates)
Last date application	28th Mar 2025 till 05.30 PM
Application Link	https://forms.gle/RrSM1J4naKsT2pFy5

Eligible candidates must attach their **detailed CV** specifying their qualifications and experience with scanned copies of marksheets and certificates from X class to date. All files should be clubbed as a single PDF File.

The statement of purpose must include responses to the following questions:
1. Describe your research interests in the advertised area
2. Explain the tentative research plan briefly by using schematics, figures, flowcharts, and relevant references.

The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview**. The interview and other logistics will be conducted via online only.** The interview date will be notified to the shortlisted candidates by Email. The candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof. **No** TA/DA for attending the interview. The interview date will be notified to the shortlisted candidates by email.

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