

No.: Advt/ IITT/CSRC/2024-25/51

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.

<b>Temporary Position Essential Qualification</b>	<b>Project Engineer</b> 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. <i>Relaxation:</i> 6.5 CGPA or 65% for OBC/EWS 6.0 CGPA or 60% for SC/ST/PWD
<b>Project No.</b>	ELE2324006NHUBRAMA
<b>Project Title</b>	Small objects Detection and tracking in aerial images under diverse weather conditions
<b>Sponsoring Agency</b>	TIH NiF
<b>Consolidated monthly Salary</b>	Rs. 20000/ month including HRA
<b>Principal Investigator</b>	Dr. Rama Krishna Sai Gorthi
<b>Department/Centre</b>	Electrical Engineering
<b>Tenure of Assignment</b>	6 Months and may be extended up to a year based on the performance. Provision to consider for MS (R) / PhD selections at IIT Tirupati is available based on performance and eligibility.
<b>Desired Experience</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Must be familiar with Machine Learning</li> <li>Must be proficient in coding preferably in Python</li> <li>Must have a CGPA greater than 6.5 or 65% or more marks in the qualifying degree.</li> <li>valid GATE score is an added advantage</li> </ul>
<b>Nature of the Work</b>	1. Study and review the recent trends and advances in algorithms to detect tiny objects in adverse weather conditions. 2. Develop algorithms to support these tiny object detection in the following different scenarios a. Drones visible like point targets; b. Appearance and Pose change; c. Low Visibility like cloudy and foggy conditions; d. Illumination Changes 4. In-house dataset creation for training and testing. 5. Realisation of developed algorithms on GPU-based edge hardware.
<b>Age Limit</b>	Age limit- Not more than 25 years as of 31-03-25 (Relaxed for exceptional candidates)
<b>Last date application</b>	28 <sup>th</sup> Mar 2025 till 05.30 PM
<b>Application Link</b>	<a href="https://forms.gle/eeKp9hqRJKP8Nh1h7">https://forms.gle/eeKp9hqRJKP8Nh1h7</a>

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.

Dean-CSRC