DEPARTMENT OF TRAINING AND PLACEMENT
DELHI TECHNOLOGICAL UNIVERSITY
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NOTICE

Applications are invited from motivated and eligible students for a research internship under an DTU x ISRO project titled:

"Vision Based Pose Estimation for Non-Cooperative Docking/Inspection Satellite using Deep Learning AI Algorithms"

Project Overview:

This project aims to develop a deep learning-based solution for vision-based pose estimation of satellites, particularly in non-cooperative scenarios. The research involves:
- Designing and training deep learning models for satellite pose estimation
- Applying knowledge distillation techniques to compress the model
- Deploying the lightweight model on **NVIDIA Jetson** edge AI devices

Eligibility:
- Open to undergraduate (3rd/4th year B.Tech).
- Strong background in **Deep Learning** and **Computer Vision**
- Proficiency in **Python**, and experience with **PyTorch** or **TensorFlow**
- Basic Knowledge of Pose estimation or related geometric concepts
- (Preferred) Prior exposure to pose estimation, embedded AI, or Jetson kits

Benefits:
- Internship Certificate (from DTU x ISRO collaborative project)
- Research mentorship and guidance
- Potential opportunity for research publication, patent or project extension

Interested candidates must fill out the registration form at the following link: https://forms.gle/ac9cRWBDbAP6DzGb6

Application Deadline: *25th April 2025*
Shortlisted candidates will be contacted via email for a brief technical discussion.
For queries, contact: **anil@dtu.ac.in, kavinder@dtu.ac.in**

Prof. Anil Singh Parihar
Head (Training & Placement)

Copy to :-

1. All Deans / HoDs with request to inform all students.
2. Head CC with request to put the notice on DTU Website
3. All Notice Board
4. Guard File.