



DELHI TECHNOLOGICAL UNIVERSITY

(FORMERLY Delhi College of Engineering)
Shahbad Daulatpur, Main Bawana Road, Delhi-42

Advertisement No: DTU/CSE/2025/423/01

Date: 24.04.2025

Advertisement for the post of Junior Research Fellow (JRF)

Applications are invited for one Junior Research Fellow (JRF) position from highly motivated and eligible candidates as per the details given below:

Project Title	Vision Based Pose Estimation for Non-Cooperative Docking/ Inspection Satellite using Deep Learning AI Algorithms
Sponsoring Agency	Indian Space Research Organisation (ISRO)
Principal Investigator (PI)	Prof. (Dr.) Anil Singh Parihar, Dept. of Computer Science & Engineering, Delhi Technological University
Duration	18 months (may be extended till completion of project)
Essential Qualifications	M.Tech in CSE/AI/IT/ECE/other relevant areas, and qualified GATE/CSIR-UGC NET including lectureship/any other examinations conducted by Central Government Department and their Agencies with consistently good academic record (atleast 60% marks at Bachelors & Masters Level). OR B.Tech in CSE/IT/ECE/other relevant areas with 75% or more marks or 7.5 or better CGPA on scale of 10, and qualified GATE/CSIR-UGC NET including lectureship/any other examinations conducted by Central Government Department and their Agencies with consistently good academic record.
Desired skills	Subject knowledge related to the project. Few skills are as follows: - Understanding of deep learning (CNNs, Vision transformers, etc.) - Familiarity with PyTorch or Tensorflow - Hands-on experience in Computer Vision - Knowledge of Pose estimation, 6D pose estimation or related geometric concepts - Experience on ONNX, TensorRT, or jetson Nano/Jetson Xavier
Monthly Emoluments	For JRF: 37,000 + HRA per month
Job Description	To perform the assigned work and assist the PI in various phases of the research project.
How to apply	The application containing cover letter, detailed CV with recent photograph and educational qualifications, and Name & Contact details of two referees in a single pdf file should be sent through email at anil@dtu.ac.in and kavinder@dtu.ac.in (Keep both mail ids in CC) The subject line of the Email should be "Application for the post of JRF under ISRO sponsored project"
Last date to apply	30.05.2025

Date of Interview	The candidates will be informed through email.
Other Benefits	The selected candidate may be registered for Ph.D. at Delhi Technological University as per the University norms.

Terms and Conditions:

1. The project is for two years as per the approval from ISRO. Participation in any workshops/scientific events/conferences/visit to any organization or academic institution for project work in India will be treated as “on duty” only with prior approval of the competent authority/PI.
2. The selected candidate will not be entitled to any other allowances like TA, DA, medical benefits or any other benefits.
3. Six-months Satisfactory Assessment is mandatory to continue the benefit of the fellowship during the period of project. Termination of the candidate anytime is at the sole discretion of Principal Investigator of the project due to unsatisfactory performance with one month notice.
4. The selected candidate shall be governed by the disciplinary regulations of the DTU.
5. The selected candidate must have to perform and write /document reports and research papers of the work done during the period of fellowship as desired by PI as per the ISRO project requirements.
6. The candidates called for interview are not entitled for TA/DA.
7. This temporary appointment will be for a specific period and their services will automatically stand terminated either with the termination of the project/scheme or even before at the discretion of the PI.
8. The appointment will not ensure/promise any claim for regular employment.
9. Candidates should also bring no objection certificate from the Employer in case he/she is employed somewhere.
10. All the communication to the shortlisted/selected candidate will be done via Email or Website only.
11. PI reserves the right to fill up or not to fill the vacancies notified in this advertisement.
12. Date of interview will be notified only to the eligible candidates through email only.
13. The Selected candidate will have six days working in a week.

Prof. Anil Singh Parihar
Principal Investigator