

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI

(A State University established by Govt. of NCT of Delhi)

Date: 22nd Feb, 2016

Subject: Walk-in Interview for Research Assistant position for project on Aerial Imagery Visual Tracking and Forensics at IIIT Delhi.

Post	Research Assistant
Monthly Remunerations	Rs. 15,000/- to Rs. 20,000/- (all inclusive)
Essential Qualifications	<ul style="list-style-type: none">➤ BE/BTech in CSE/ECE➤ Proficient in Image/Signal processing, Computer Vision (using OpenCV and MATLAB)
Desirable Qualifications and Experience	<ul style="list-style-type: none">➤ ME/MTech in CSE/ ECE➤ Academic/Industrial experience
Duration	6 months (Extendable upto 1yr depending on performance)
Application must be sent to	subramanyam@iiitd.ac.in (Please mention Application for RA in subject of your e-mail.)

Project Description: The project aims at finding the optimal appearance models for visual tracking in aerial videos acquired from micro UAVs. Micro UAVs can be efficiently deployed for surveillance, traffic monitoring, human re-identification and crowd management. These UAVs can obtain the videos which can be further used for tracking of vehicles, individuals or group of people. Since the videos are obtained from a height and moving cameras, tracking poses a lot of challenges such as dynamic background, occlusion and illumination changes. In addition, the objects of interest may be very small due to low resolution and have a huge pose variation. In such a scenario, the popular appearance models are not useful for achieving a good tracking performance. Thus, finding optimal appearance models becomes a crucial task in tracking.

For Indraprastha Institute of Information Technology, Delhi

Dr. A.V. Subramanyam,
Assistant Professor
IIIT Delhi