

**UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY  
PANJAB UNIVERSITY, CHANDIGARH – 160014, INDIA**

**Advertisement**

**Telecommunication Research Lab, UIET, PU Chandigarh** provides an opportunity to exceptionally good undergraduate students to work as Interns in the Research project “**Development of 4G/5G based UAV Augmented Intelligent Monitoring and Surveillance System**” funded by **Ministry of Electronics and Information Technology (MeitY)**.

Students will get a chance to work in the following areas:

- Understanding UAVs and Indian Drone Regulations
- Drone Manufacturing/Construction/Assembly
- UAVs/Drones for Disaster Management and Military Surveillance
- Capturing data using UAVs and various IOT sensors
- Setting up 4G/5G based Communication Environment
- Setting up Cloud Storage and Information Retrieval Models
- Development of Monitoring and Surveillance applications
- Transmission of data using 4G/5G networks
- Storage and analytics of data over Cloud
- Implementation of Machine Learning / Deep Learning Models
- Integration of the application with 4G/5G communication system
- Detection of event, its type, location and severity (Analytics and ML)

**The duration of internship is initially for a period of 06 months but can be continued till the project ends based on the performance of the interns. The number of vacancies are 08. The internship amount is Rs. 5000/- per month.**

**Eligibility:** BE / B.Tech (all branches, all semesters) students are eligible to apply.

**Desirable:** Knowledge of working in any of the above mentioned or related project areas.

**How to Apply:**

The interested students have to submit their application along with Resume (highlighting their skill set and projects undertaken) in **Telecommunication Research Lab, UIET, PU Chandigarh** by 31-January-2020. The submission of soft copy is also mandatory and has to be sent to [sarbjeet@pu.ac.in](mailto:sarbjeet@pu.ac.in) cc: [telelabuiet@gmail.com](mailto:telelabuiet@gmail.com)

Shortlisted students will be informed to appear for interview by email/phone.

**Prof. Sarbjeet Singh**  
**Principal Investigator**