



सत्यमेव जयते



# Boot Camp (3-7 January 2024)

## AI for Aerial Computer Vision in Drone Technology



Indian Institute of Technology (IIT) Goa, Farmagudi, Goa, is organizing a Bootcamp Training Program for the capacity building for Human Resource Development in Unmanned Aircraft Systems (Drone and related Technology) in India under a project funded by MeitY (Ministry of Electronics and Information Technology).

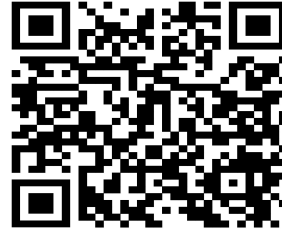
### Course content

- ❖ Introduction to drones: Components of Drones & How to Fly Drones
- ❖ Aerial Surveying, Thermography and LIDAR Mapping
- ❖ Light-Weight CV on the Edge & Real-time classification and detection
- ❖ Detection and Tracking in Motion | Helmet detection using Aerial Vision
- ❖ Introduction to Learning Problems and Neural Networks
- ❖ Introduction to Computer Vision using Deep Learning



### Highlights

- ❖ Theory & Hands-on experience
- ❖ Sessions by experts in the domain of UAS
- ❖ Certification upon successful completion



### Who can attend?

- ❖ Studying in 1st Year/ Second Semester onwards of B.E./B.Tech./equivalent (or)
- ❖ Pursuing B.Sc./BCA/equivalent (or)
- ❖ Pursuing Post Graduation – M. E. / M.Tech. / M. Sc. / MCA / Ph.D. equivalent (or)
- ❖ Faculty/Working Professional/Staff from industry/Govt. Organization (with the above Educational Qualifications)
- ❖ Basic programming experience in C/C++/Python and electronics would be helpful

### Organization details

- ❖ Dates: 3rd - 7th January 2024
- ❖ Timing: 9:30am - 6:00pm
- ❖ Duration: 5 Days

### Participation details

- ❖ Registration fee: Rs. 236 (Inclusive of GST).
- ❖ Tea breaks, lunch, and **certificate**.

### Registration details

- ❖ Step 1: Scan the QR code or click <https://forms.gle/kJgPDubQKUz6y3AQQA>.
- ❖ Step 2: Open the URL in a web browser.
- ❖ Step 3: Fill and submit the Google form.

### Contact details

drones.center@iitgoa.ac.in

**LAST DATE OF REGISTRATION: 27 December, 2023**