

## Drone Technology and Applications

conducted by



## S.V. NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

Date: 30 June, 2025 - 4 July, 2025

### About Bootcamp Program:

SVNIT, Surat is organising a Bootcamp Training Program on Capacity Building for Human Resource Development in Unmanned Aircraft Systems in India, under a project - SwaYaan funded by MeitY (Ministry of Electronics and Information Technology).

### Bootcamp Course Content:

- Introduction to drone dynamics: Processors, Pixhawk, Autopilot, and Interfacing of peripherals
- Introduction of DGCA rules
- Introduction of Drone Sensors
- Drone Applications
- Deep Learning
- Python Programming
- Geographic information system (QGIS)
- Drone Assembly and Flying Demonstration
- Drone design parameters
- 3D printing technologies
- Mission Planner

Duration : 5 days (40 Hrs)

### Benefits of the Program:

- Theory & Hands-on experience on tools
- Session delivery by renowned/industry experts
- Certification upon successful completion

### Eligibility:

- Students: Currently enrolled in the 2nd year or beyond of BE/BTech, BSc, BCA, or those pursuing/completed MSc, MCA, ME, MTech, or PhD.
- Faculty Members: Academicians with qualifications as mentioned above.
- Working Professionals: Industry experts with the relevant educational background.

### Registration Fee:

- Registration includes tea break refreshment, assessment, and certification

Date: 30 June, 2025 - 04 July, 2025

Timing: 9:30 AM to 5:30 PM

Hostel Accommodation may be provided based on prior approval from the organizing authority on a payment basis (not included in the Registration Fee)

### Training Location/ Address:

- Electronics Department ,SVNIT, Surat

### Contact Details:

Email: rinkeshpatel\_ra@svn.it.ac.in,  
akshpatel\_ra@svn.it.ac.in

Contact number: 8849486604,9662166835

Payment Details: No payment is required as it is free for all participants.

### Registration Link:

<https://forms.gle/fcinZgyNC6gewjpA8>

Or

Scan through QR code reader



Limited Seats are Available (Registration will be done on a first-come, first-served basis)

For more details visit: [www.svnit.ac.in](http://www.svnit.ac.in)

### Coordinators:

1. Dr.Dipti Rana, dpr@coed.svnit.ac.in
2. Dr. Anand Darji, add@eced.svnit.ac.in
3. Dr.Suresh Dahiya, suresh.dahiya@eced.svnit.ac.in

### Team Members:

1. Aksh Patel (Research Associate) (+919662166835)
2. Rinkesh Patel (Research Associate) (+918849486604)