



BOOT CAMP 5.0

on

Drone Application: Precision Farming

Jointly conducted by

S.V. NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

and

BHAGWAN MAHAVIR COLLEGE OF ENGINEERING AND TECHNOLOGY, SURAT

Date: 11th -15th March, 2024



MeitY
Government of India



About Bootcamp Program:

SVNIT, Surat and BMCET Surat are jointly organising a Bootcamp Training Program on Capacity Building for Human Resource Development in Unmanned Aircraft Systems (Drone Assembly, Navigation and related Applications) in India, under a project funded by MeitY (Ministry of Electronics and Information Technology).

Tentative 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
- Drone navigation and control using GPS and GNSS
- Visualization and querying using Neo4j
- Communication between Raspberry Pi and Pixhawk
- Data Communication, diversity, and networking
- Drone Assembly and Flying Demonstration
- Practical Session on 3D printing
- Practicals on Ardupilot and Mission Planner
- Introduction to ROS

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:

- Studying in 2nd,3rd year or onwards or Graduate in B.E./ Btech or Postgraduate in M.Sc./ MCA/ M.E./ M.tech. or PhD
- Faculty/ Working Professional/ Staff from Industry/ Govt. organizations (with above education qualification)

Team Members:

1. Rinkesh Patel (Research Associate) (+918849486604)
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3. Isha Agarwal (Activity and Lab Coordinator) (+919586341231)

Registration Fee:

Includes welcome kit, tea break refreshment, assessment, and certification

- Students **Rs. 500/- (Refundable)**
- Working professionals and faculty members **Rs. 500/-**

Candidates who successfully complete the course, will get 100% refund of the registration fees.

Date: 11th - 15th March, 2024

Timing: 9:30 A.M. to 6:30 P.M.

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: Bhagwan Mahavir College of Engineering and Technology, Surat

Contact Details:

Email: avionics.uavlab@gmail.com

Contact number: 8849486604,9662166835

Payment Details: In-Cash to be submitted to Prof Rahul Gonawala (9879527380)

Registration Link:

<http://tinyurl.com/avionicsuavlabbootcamp5>

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

Coordinators:

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