

# Ezenith Education Internships

India's Biggest Internships  
65 Hours of Extensive Knowledge Transfer  
Learn from the best R&D Experts in the Industry  
Minimum 40 Hrs of Practical Experience

## DAY 1 Building blocks of Drone

- Introduction to UAV and drones
- Basic terminology of drones
- UAV market in India and outside
- Introduction to different types of drones
- Advantages and Key features of drones.
- Working principle of Drones.
- Aerodynamic and Kinematics of Drone
- Introduction of all components

## Day 2 Design specification and Drone Concepts

- Introduction to Electronics Speed Controllers(ESC)
- Introduction to BLDC motors, Power Module, Frames, Batteries, Propellers, Transmitters and Receivers
- Introduction to auto pilot
- Different types of autopilot
- GPS and telemetry

## Day 3 Introduction to software

- Introduction to software
- Connecting autopilot with software
- Configuration parameters
- Firmware configuration
- Calibration parameters
- Accel. Calibration, RC calibration, Compass Calibration, ESC calibration, Flight Modes

## Day 4 Build your Drone

- Understanding Various aspects of Drone Development with hands on practical sessions

## Day 5 Build your Drone

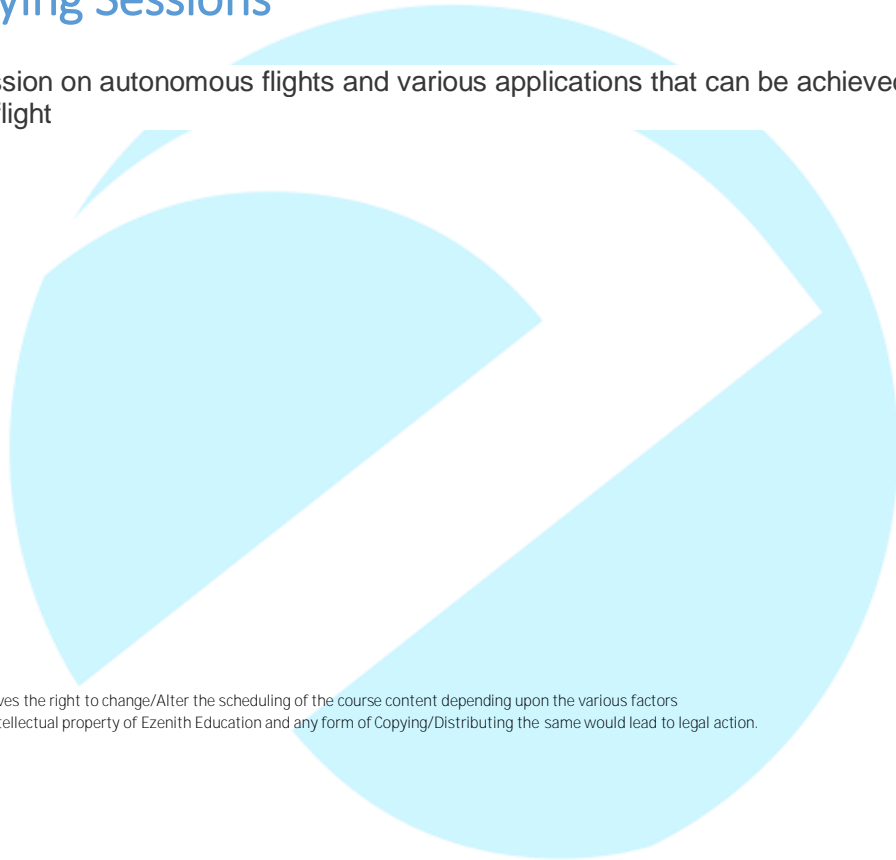
- PID Tuning and stability parameters on UAV Flying session

## Day 6 Connect your Drone to 4G Network

- Connecting DRONE by 4 g network and Flying session on Semi-autonomous mode

## Day 7 Flying Sessions

- Complete session on autonomous flights and various applications that can be achieved through autonomous flight



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