**Autopilot Development**Abhinay Kumar | 14-02-2025

**Objective**

**Requirements**

**Hardware selection**

1. Propellers
2. Actuators
3. Motor drivers
4. Power distribution unit
5. Power source
6. Airframe
7. Sensors
   1. Gyroscope
   2. Accelerometer
   3. Magnetometer
   4. Barometer
   5. LIDAR
   6. SONAR
   7. GPS
   8. Temperature sensor
   9. Humidity sensor
8. Processors
   1. Primary processor
   2. Secondary processor
9. Communication module
   1. Receiver
   2. Transceiver
10. Data logging module
    1. EEPROM
    2. SD card
    3. Flash drive
11. Audio-visual feedback module
    1. LED
    2. Buzzer

**Software development**

**Test rig development**