# Sanjay Ghodawat University, Kolhapur

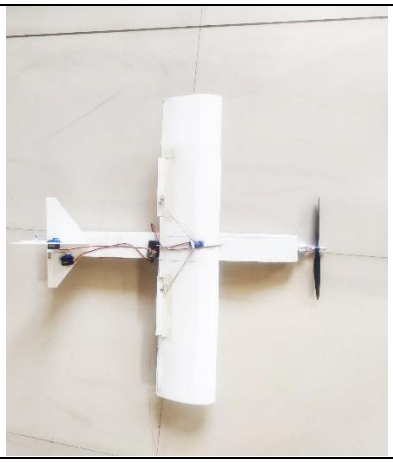
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*Empowering Lives Globally !*

## DEPARTMENT OF AEROSPACE ENGINEERING

## DRONE TECHNOLOGY LABORATORY

| S.No | Equipment Name | Description | Equipment Photo |
|---|---|---|---|
| 1. | **Quadcopter X configured with CCD3 flight Controller** | • 1000kv brushless motor 4 nos<br>• 10x4.5propellor 4 nos<br>• 30A ESC 4nos<br>• Power Distribution Board<br>• Flysky 6 Channel 2.4GHz Transmitter and Receiver<br>• 5000mah Battery<br>• Weight less Plastic Frame |  |
| 2. | **Quadcopter X configured with pixhawk flight Controller** | • 1100kv brushless motor 4 nos<br>• 40A ESC 4nos<br>• 10x4.5propellor 4 nos<br>• Power Distribution Board<br>• Flysky 6 Channel 2.4GHz Transmitter and Receiver<br>• 5000mah Battery<br>• GPS &Telemetry<br>• Weight less Plastic Frame with landing support |  |
| 3. | **Quadcopter + configured with Autopilot flight Controller** | • 1800kv brushless motor 4 nos<br>• 40A ESC 4nos<br>• 10x4.5propellor 4 nos<br>• Power Distribution Board<br>• softsonic 6 Channel 2.4GHz Transmitter and Receiver<br>• 5000mah Battery<br>• Weight less CFRP Frame |  |

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|---|---|---|---|
| **4.** | **Hexa copter :- Light Weight Pesticide Drone** | • 1000kv brushless motor 6 nos<br>• 30A ESC 4nos<br>• 10x4.5 propellor 6 nos<br>• Power Distribution Board 6 channels<br>• Flysky 6 Channel 2.4GHz Transmitter and Receiver<br>• 5000mah Battery<br>• Weight less Balsa wood Frame<br>• 1 liter capacity pesticide tank<br>• Sprayer Pump: 12V, 3A, 4.6LPM,110PSI |  |
| **5.** | **Engine Powered Fixed wing R/C Plane** | • 1000kv brushless motor 1 nos<br>• Wood made 10x4.5propellor 1 nos<br>• 40A ESC 1 nos<br>• Flysky 6 Channel 2.4GHz Transmitter and Receiver<br>• Weight less coroplast material and balsa wood<br>• MG996R Servo motors 3 Nos |  |
| **6.** | **Brushless Motor Powered Fixed wing R/C Plane** | • 1000kv brushless motor 1 nos<br>• 10x4.5propellor 1 nos<br>• 30A ESC 1 nos<br>• Flysky 6 Channel 2.4GHz Transmitter and Receiver<br>• 3000mah Battery<br>• Weight less coroplast material<br>• SG90 Servo motors 3 Nos |  |