



DRONE/UAV OPERATIONS TRAINING DETAILS

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Standard Multicopter Drone Piloting Course

COURSE CONTENTS

1. Safety regulations for drones
2. Pre-flight preparation
 - * GPS Calibration
 - * Battery check
 - * Motor check
3. Working with GPS
4. Risk Assessment
5. Multi-copter flight simulation
6. Launching the drone under normal circumstances
7. Landing the drone under normal circumstances
8. Flight maneuvers and Controls
9. Working with the drone camera
10. Performing aerial Surveillance
11. Emergency drone retrieval techniques.
[How to get the drone back safely when there is a signal loss or interference]

Training Days: Mondays to Fridays (10am - 5pm)
Duration: 1 Week

Note: Discounts available for group training
Accommodation is also available.



Advance Multi-copter Drone Piloting Course

COURSE CONTENTS

PART 1

1. Safety regulations for drones
2. Pre-flight preparation
 - * GPS Calibration
 - * Battery check
 - * Motor check
3. Working with GPS
4. Risk Assessment
5. Multicopter flight simulation
6. Launching the drone under normal circumstances
7. Landing the drone under normal circumstances
8. Flight manoeuvres and Controls
9. Working with the drone camera
10. Performing aerial Surveillance
11. Emergency drone retrieval techniques.
[How to get the drone back safely when there is a signal loss or interference]

PART 2 [Advanced]

1. Changing factory settings and customizing the operational capabilities to suit your needs
2. Advance flying manoeuvres.
3. Simultaneously controlling the aircraft while operating the camera (taking still shots)
4. Simultaneously controlling the aircraft while operating the camera (aiming the camera at a particular object/subject while the drone is flying).
5. How to maintain orientation when flying the aircraft
6. Emergency Take Off Techniques: How to take off in a bad landscape
7. How to set the aircraft to return to take off point automatically without additional inputs by the pilot
8. How to set the aircraft to follow a subject (e.g a car, dog, human e.t.c.) without being controlled by a pilot
9. Best practices for conducting aerial surveillance
10. More and more practical flights with the multicopter unit.
11. Knowing your flight distance and altitudes
12. Emergency take off and landing techniques.

Training Days: Mondays to Fridays (10am - 5pm)

Training Duration: 2 Weeks.

Note: Discounts available for group training Accommodation is also available.

Advanced Drone Aerial Surveillance Systems Operations Training

PART 1

1. Safety regulations for drones
2. Pre-flight preparation
 - * GPS Calibration
 - * Battery check
 - * Motor check
3. Working with GPS
4. Risk Assessment
5. Multicopter flight simulation
6. Take off techniques
7. Landing techniques
8. Flight manouvers and Controls
9. Working with the drone camera
- 10 Performing aerial Surveillance
11. Emergency drone retrieval techniques. [How to get the drone back safely when there is a signal loss or interference]

PART 2 [Advanced]

1. Changing factory settings and customizing the operational capabilities to suit your needs
2. Advance flying manoeuvres.
3. Simultaneously controlling the aircraft while operating the camera (taking still shots)
4. Simultaneously controlling the aircraft while operating the camera (aiming the camera at a particular object/subject while the drone is flying).
5. How to maintain orientation when flying the aircraft
6. Emergency Take Off Techniques: How to take off in a bad landscape.
7. How to set the aircraft to return to take off point automatically without additional inputs by the pilot
8. How to set the aircraft to follow a subject (e.g a car, dog, human e.t.c.) without being controlled by a pilot
9. Best practices for conducting aerial surveillance.
10. More and more practical flights with the multi-copter unit.
11. Knowing your flight distance and altitudes.
12. Emergency take off and landing techniques.

PART 3 [Mobile & Offshore Operations]

1. Mobile Drone Operation Techniques

- A. How to operate a drone from the top of a moving vehicle
- B. How to retrieve a drone from the top of a vehicle

2. Offshore Drone/UAV Operation Techniques

- A. Rules to follow
- B. How to take off from a boat on top of water
- C. How to take off from a ship on the high sea
- D. Things to note when operating from a ship on the high sea
- E. How to land the aircraft unit on a boat on top of water
- F. How to land the aircraft unit on a ship on the high sea

3. Drone Mapping Flight Techniques.

[A] Working with Waypoints

[B] How to setup drone to fly within a predefined path and return back to take off point by itself.

Training Days: Mondays to Fridays (10am - 5pm)

Training Duration: 3 Weeks



What We Will Provide for the Training

PDF Handout

Multi-rotor aircraft units

Softwares needed for the training

Simulators and other hardwares needed for the training

* Certificates will be issued to all participants at the end of the training.

Requirements for the candidates

Candidates must not have any form of visual defects

Ability to take classes in English language.

Customized group training in your own location also available for organizations.