

## CHAPTER 5

### RESULTS

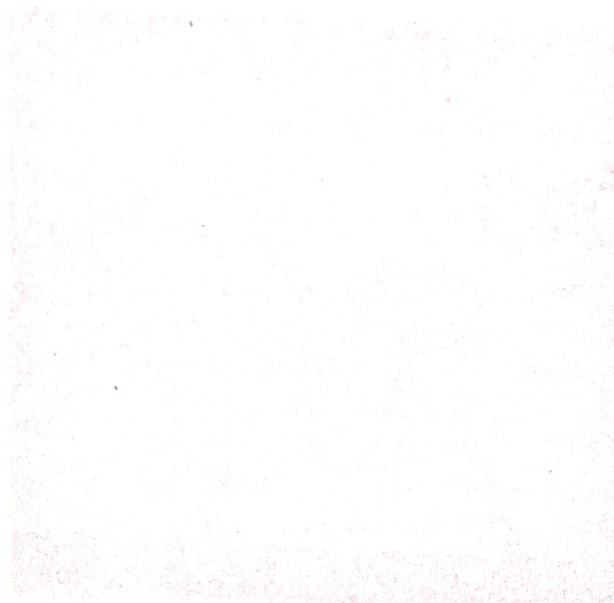


Fig. 5.1: Top view of autonomous delivery drone

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Figure 5.1 shows the structure of autonomous drone module it consists an arm which is used for the movement of the drone in flight and delivering the package. Servo-mechanism is within the drone which is for the picking and to deliver the package. By using the GPS navigation, it reaches to the destination by its own and returns to the home station.

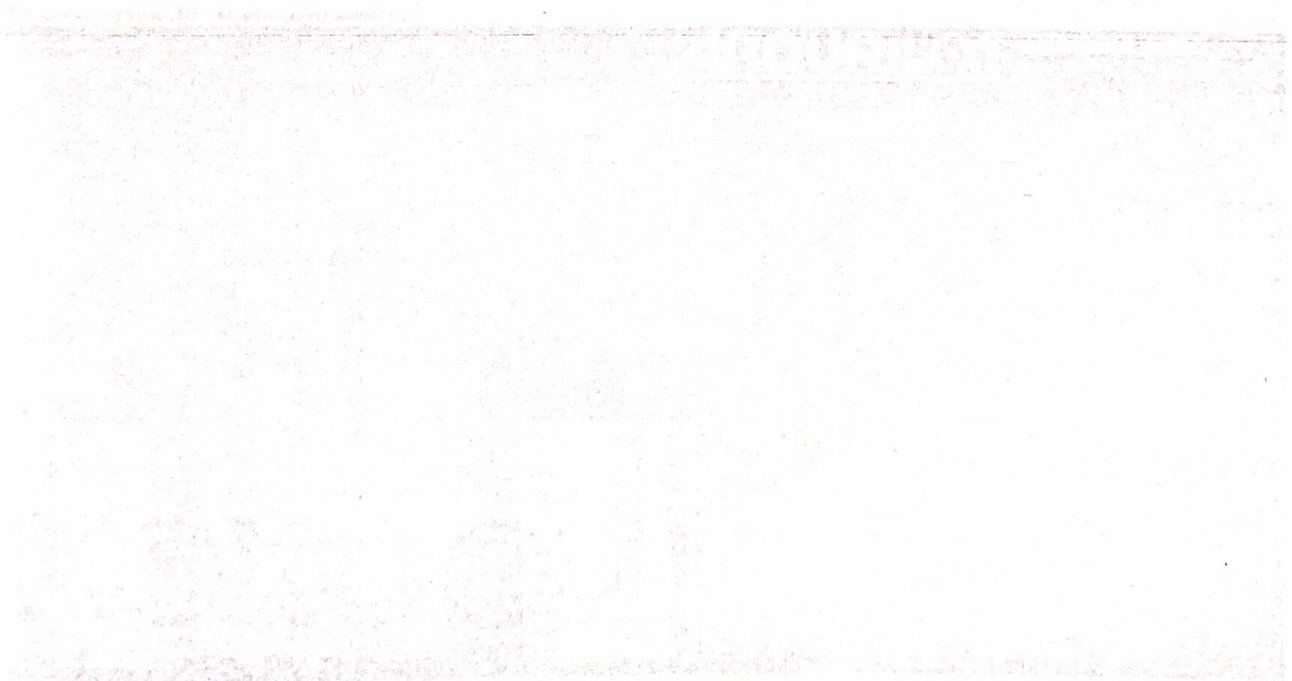


Fig. 5.2: Front view of the drone



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Fig. 5.1: Front View of autonomous delivery drone

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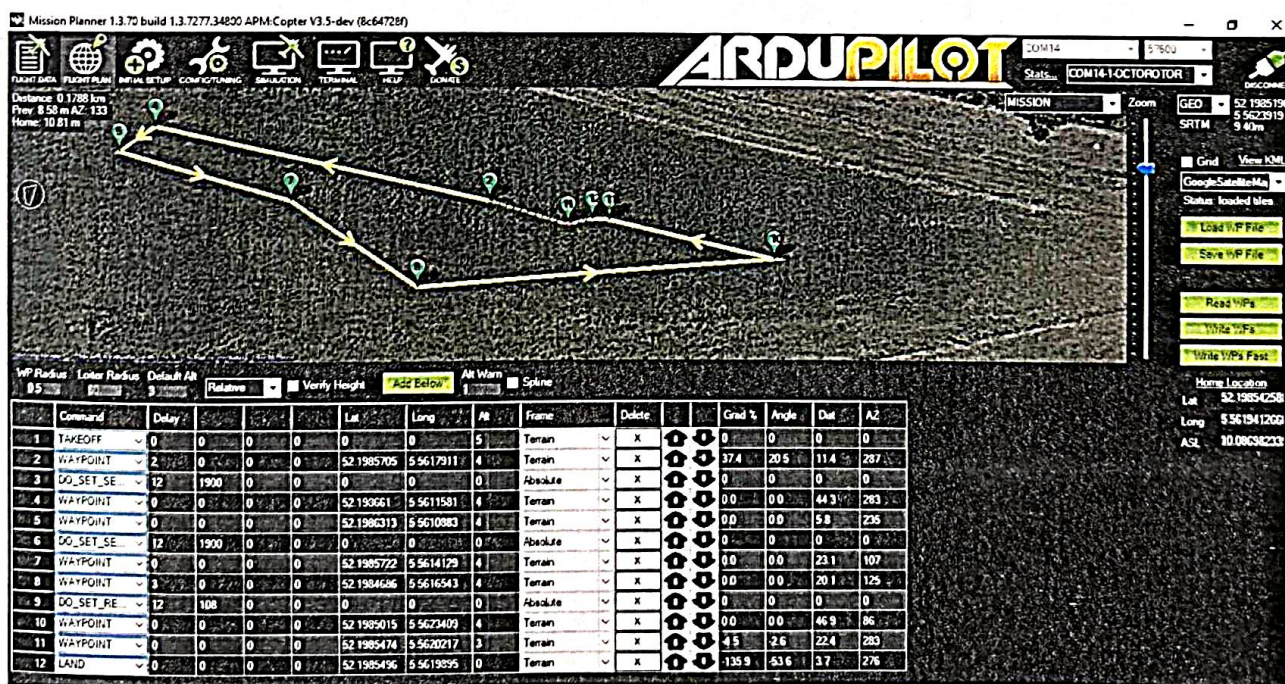


Fig. 5.2: Setup of the location





*Fig. 5.3: Home Page of Mission Planner*

Figure 5.2 and 5.3 shows how to setup the window and specifications for the flight of the drone. It includes options such as plan, initial setup, configuration, radio calibration, simulation and etc. When the drone is ready to flight, it starts its journey from the allocated source to destination. Once the drone reaches the destination it checks for the authorized person and deliver the package to the customer through servo-mechanism. Thereafter it follows the same path to return to the home station automatically by its own.