

RESULTS

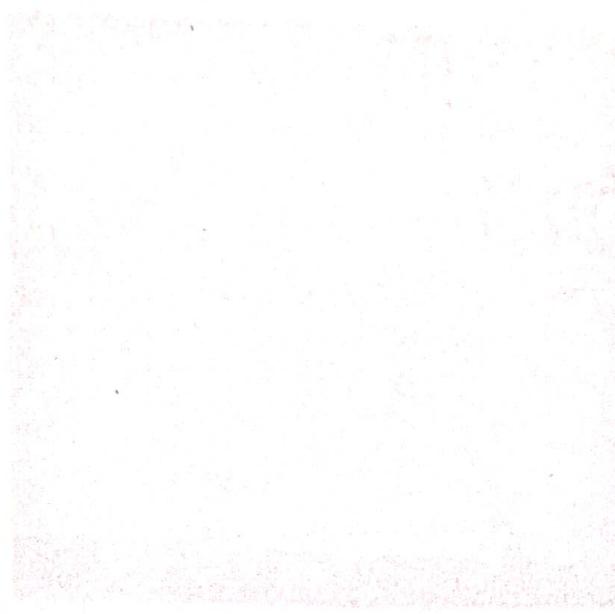


Fig. 5.1: Aerial view of quadcopter delivery drone

CHAPTER 5

Figure 5.1 shows the structure of quadcopter drone module it consists an arm which is used for the movement of the drone in height and carrying the package. Servo-mechanism is used in the drone body 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: Map of the location

CHAPTER 5

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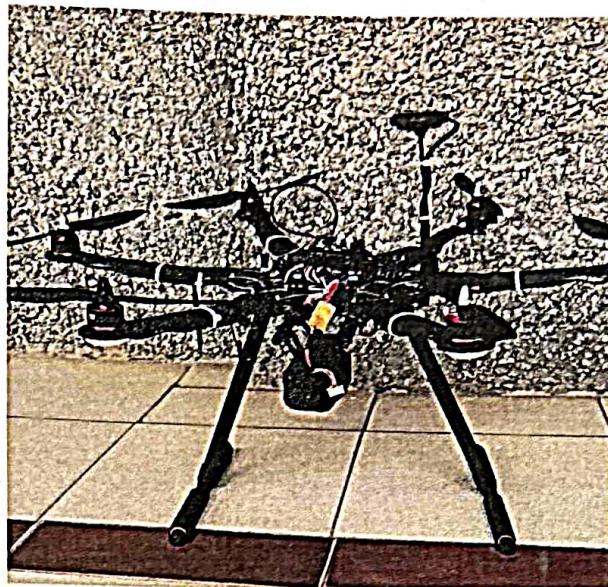


Fig. 5.1: Front View of autonomous delivery drone

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 helps 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.

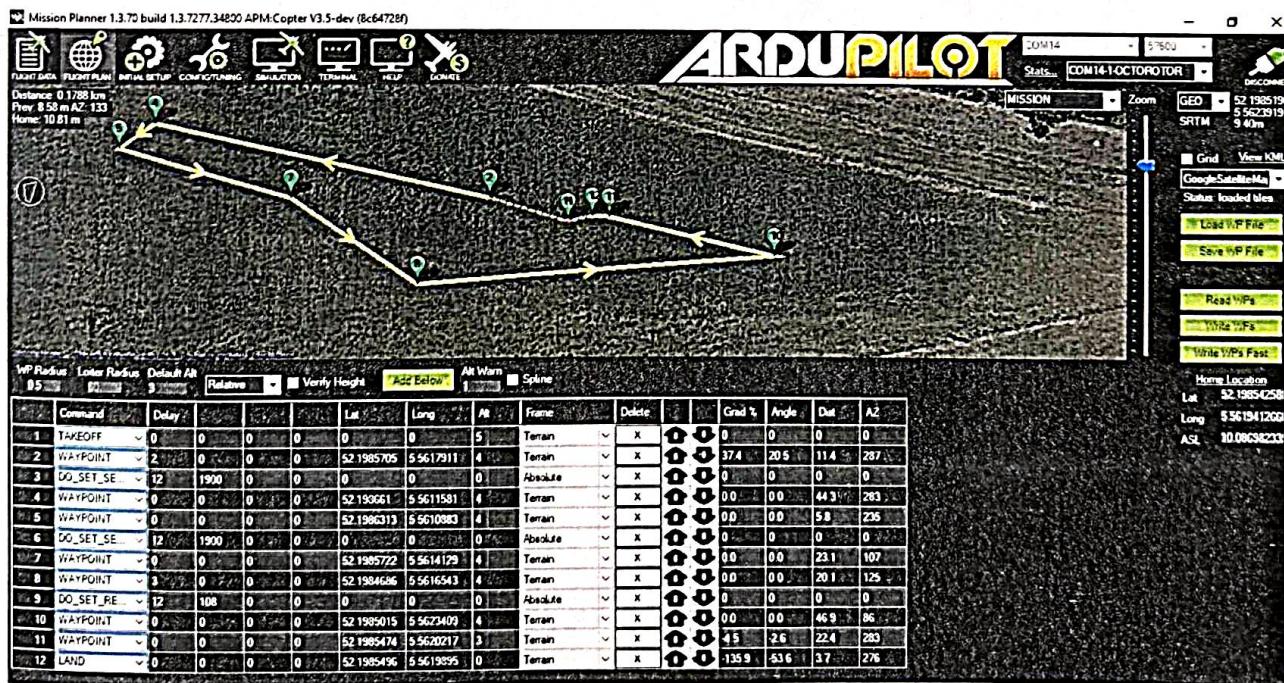


Fig. 5.2: Setup of the location



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.