Wire frame

START

Buzzer and Red LED will start beeping per sec.

Condition False

Condition True

There will be a Green LED, that will start blinking. In order to check for the connection between Satellite and Ground station. Once the connection is done LED will remain on it won't blink.

Condition False

Inspection (check the wiring, connection, battery, damaged components)

Condition True

Then the Power will be supplied to the other components (Sensors, Modules).

MPU6050 Altitude, Gyro

BME/BMP280 Pressure Humidity

NEO6m Gps

MQ135 Gas

AHT10 Temperature

CAMERA

Inbuilt LEDs will start blinking

Condition False

Condition True

After all the connections are done (Checked successfully), with the Ground station ,then we have to check the Transmitter and Antenna, whether the data that is sent by the sensors are transmitted to ground station or not. If all connections are well and good then the Blue LED will start blinking in order to show that transmitter is transmitting the data. And we are good to go.

Condition False

Visualising the transmitted data on software made by the ground station.

Condition True