

ITSP Project 2015

Autonomous Surveillance Drone

Group Members:-

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PROJECT IDEA

- Using a camera aided Quadcopter for surveillance purposes.

REQUIREMENTS:-

- Motors(4)
- Frame
- Sensors(Ultrasonic/Image)
- Camera
- Aurdino

EXECUTION PLAN

- Understanding the basics of the design and implementation.
- Construction of Quadcopter.
- Co-ordinating it with the sensors.
- Coding for the autonomous functioning.
- Testing the present functioning.
- Installing the surveillance camera.(yet to plan on its functioning)

LEARNING PROSPECTS

- Working principle of the Quadcopter.
- Understanding the sensor applications.
- Good coding experience.
- Learning the wireless transmission of data from on-board camera.(We are yet to figure the way out.)

FUTURE OBJECTIVES

- We look forward to integrate the system on concentrating a user specified region and if further possible particular object(s).