

Minutes

(Advisor Meeting)

Group: Quadcopter

Date | *time* 9/20/2013 9:30 AM

In Attendance

Dr. Chuy (Advisor), Matthew Kische, Jigar Patel, John Chung, Andrew Silva, Adam Sobiewski and Gabriel Morales

Agenda

To discuss briefly with the advisors about the current status of the design project

Notes

Topics that were discussed were divided between the mechanical and electrical/computer engineering departments. The description are as below:

Mechanical:

1. Literature Review:
Do literature review over possible design enclosures.
2. Information Needed:
The EE's will incipiently need the following data: moment of inertia, total weight, and constants for the Jacobian matrix.

Electrical:

1. Literature Review:
Begin literature review for the following topics: velocity based copter, trajectory controllers, and modeling/simulation.
2. Information Needed:
 - PX4 Autopilot system
 - How to control rpm
 - Program language used to code the microprocessor

Week Goals

- Literature review on the specification and details provided by the sponsor.
- Prepare EE and ME Needs Analysis and finalize by **09/25/13**.
- Obtain Quadcopter from Dr. Shih to better understand the base level controls.

Next Meeting

Team Meeting

09/27/2013 | 9:30 AM to 10:30 AM