

Group number: 1705

Project title: Drone Energy Delivery

Client &/Advisor: Geiger/Chen

Team Members &/Role: Dustin Reed: Communication Justin Howe: Key Concept, Jeffery Schons, Chidike Ubani: Webmaster, Eric Himmelblau: Team Lead

o **Weekly Summary**

    We started working directly with the drone, and started looking at application coding methods.

o **Past week accomplishments**

- Dustin Reed: Studied Part 107 Test
- Avanish Kuntla: Researched lithium ion fuel gauge implementations
- Justin Howe: Researched the new drone and flight performance
- Jeffery Schons: Looked into preexisting control phone apps, and ideas to make expand on it. Attended meetings
- Chidike Ubani: Played around with DJI sample app  
Eric Himmelblau: Attended meetings

o **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Dustin Reed	Studied for Part 107 Test, attended meetings	5	35
Avanish Kuntla	Researched lithium ion fuel gauge implementations	5	34
Jeffery Schons	Looked into preexisting control phone apps, and ideas	5	34

	to make expand on it. Attended meetings		
Justin Howe	Researched new drone's capabilities and flight dynamics	4	28
Chidike Ubani	Played around with DJI sample app	4	25
Eric Himmelblau	Attended Meetings	2	20

○ **Comments and extended discussion**

It is getting really close to the end of the semester, and we plan on getting a working guidance app ready by then. We will receive our actual drone by the end of the week.

○ **Plan for coming week**

- Dustin Reed: I will finish studying for the Part 107 Test, and find out how to take the test
- Avanish Kuntla: Narrow down list of possible fuel gauge implementations
- Jeffery Schons: look at new phone app and build new one if need be
- Justin Howe: Get hands on experience with the drone

○ **Summary of weekly advisor meeting**

We met and talked about buying a drone, as well as expectations for the end of the semester.

**Grading criteria**

Each weekly report is worth 10 points. Scores will be awarded as follows:

- **8 – 10:** Progress for your project seems to be suitable. Documentation and hours reported by team members are adequate.
- **6 – 8:** There is scope of improvement both in your report and your project progress. Can consult with instructor/TA after class for further inputs.
- **< 6:** Please talk to instructors/TA after class hours about any difficulties that you/your team is facing.