

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 (Short summary about what you did this week)**

This week we got a gym secured where we will be able to fly the drone indoors.

o **Past week accomplishments**

- Dustin Reed: Did research on battery charging and drone precise landing applications
- Avanish Kuntla: Worked on 107 license guide, worked on project plan and researched methods for charging batteries
- Jeffery Schons: Attended meetings, worked on project plan, worked on website.
- Chidike Ubani: Attended meetings, worked on project plan
- Eric Himmelblau: Attended meetings, worked on project plan
- Justin Howe: Attended meetings, worked on project plan

o **Pending issues**

- Although we can now fly the drone indoors, it will be a long time until we can actually test it outdoors, where we have enough room for the actual application.

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Dustin Reed	Attended Meetings, Worked on Project Plan, looked up drone landing methods	4	22.5
Avanish Kuntla	Attended Meetings, Finished reading 107 license study	5	25

	guide, Researched methods for charging batteries, Worked on project plan		
Jeffery Schons	Attended meetings, worked on project plan, worked on website.	4	25
Chidike Ubani	Attended meetings, worked on project plan	3	17
Eric Himmelblau	Attended meetings, worked on project plan	3	18
Justin Howe	Attended meetings, worked on project plan	3	17

○ **Plan for coming week**

- Dustin Reed: Continue looking into charging methods
- Avanish Kuntla: Continue research on applicable charging methods
- Chidike Ubani:
- Justin Howe: Get basic interfacing with drone and initial flight experience
 - Jeffery Schons: to work on website.

○ **Summary of weekly advisor meeting**

Discussed locations indoors where we could operate our drone while waiting for permission to fly it outdoors. Talked about novel energy delivery methods.

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.