

EE/CprE/SE 491 - WEEKLY REPORT 2

September 19th – September 25th

Group number: may25-32

Project title: MicroCART mini: Microprocessor Controlled Aerial Robotics Team

Client &/Advisor: Dr. Phillip Jones

Team Members/Role:

- Daniel Zaucha: Client interaction, Communications Lead
- Jonah Upah: Team Secretary, Meeting Organizer
- Ryan Lowe: Software Lead
- Yi Hang Ang: Hardware Design Lead

○ **Weekly Summary**

Our team was able to get a meeting with Dr. Jones this week. We asked Dr. Jones the list of questions in our Rip the Brief assignment which we have continued making additions to, even after the assignment itself was required to be submitted, and were able to obtain a solid understanding of what we will be working on in this project. We were also able to establish a long-term timeline. In order to catch-up, we plan on meeting every Saturday at 1 pm to get started on our project. Our team also got access to Coover 3050 as our lab/workspace for our senior design project, that's where we will be meeting every Saturday.

○ **Past week accomplishments**

- Daniel Zaucha
 - Worked with the team to finish project research assignment
 - Recorded advisory meeting and team meeting notes
 - Began looking at CPRE 488's labs
 - Setup the google drive folders for easier collaboration

- Jonah Upah
 - Lead the meeting with Dr. Jones(asked the questions)
 - Finished my portion of the product research doc and submitted it
 - Set team goals for the next two weeks based on the the meeting with Dr.Jones
- Ryan Lowe
 - Worked with the team to set goals for the near future for our project.
 - Worked on the product research assignment.
 - Beginning work on getting familiar with the technologies to be used in CPRE 488 labs.
- Yi Hang Ang
 - Worked with the team to complete the product research assignment.
 - Attended the weekly meeting with Dr. Jones and our team to discuss our future goals for the project.

○ **Pending Issues/tasks**

- Attempt labs 1-4 for CPRE 488 and lab 5 if we have enough time over the next 2 weeks to gain the fundamentals of CPRE 488.
- After the advisor meeting next week, decide who will specialize in what.
 - In the beginning it might help for everyone to learn or refresh on a specific topic then each individual will have their own subject they are responsible for.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Daniel Zaucha	● Setup, Documentation, Discussion	2 .5	4.5
Jonah Upah	● Setup/Documentation	2	4
Ryan Lowe	● Discussion, Documentation	2	4

Yi Hang Ang	● Documentation/Discussion	2	4
-------------	----------------------------	---	---

○ **Comments and extended discussion**

With our established schedule, we will be able to know what the labs' intended teachings are, and will have a basis of starting the development of our project after our research is complete.

○ **Plans for the upcoming week**

Group Plan

- Go through CPRE 488 Labs
- Setup needed HW/SW/Organizing for project
- Review coding languages we will be working with
- Setup meeting with former TA

○ **Summary of weekly advisor meeting**

In this meeting, clarifications on what, when, and how we will be working on the project was discussed. Resources for both the CPRE 488 labs and research was given to us, as well as the products of some of the past groups' projects. We confirmed how we want to best communicate with each other, and how future meetings will be set up. Finally, access to the CPRE 488 lab room was granted to us.