Senior Design Team may23-45: MicroCART Team

Week 5 Status Report (9/16-9/22)

Members:
- Cole Hunt
- Connor Ryan
- Emily Anderson
- Gautham Ajith
- Grant Giansanti
- Tyler Johnson
- Austin Beinder

Weekly Progress Summary

- Completed Team Contract
- Established leadership roles.
    - Project Manager - Connor Ryan
    - Simulation/Controls Lead- Austin Beinder
    - Telemetry/Backend Lead- Emily Anderson
    - Client Interactions/Testing - Grant Giansanti
    - Physical Systems Lead- Tyler Johnson
    - Git Master/Device OS - Cole Hunt
    - Lead Youtuber/GUI - Gautham Ajith
- Reviewed Slideshow
- Flight Training
- Set Preliminary Milestones
    - Ground station
        - Establish thorough understanding of current GUI
        - Evaluate areas for improvement
    - Quadcopter
        - Define goals for new design
        - Initial Design Sketch
        - Component Sourcing/evaluation
        - First PCB (ordered before semester)
        - Convert codebase to new platform
    - Test Stand
        - TBD
    - Simulation

■ TBD

Pending Issues

- Trouble connecting to crazyflie
- Obtaining a pi-zero and zynqberry-zero

Individual Contributions

Team Member	Contributions	Hours	Total Hours
Austin Beinder	- Absent: Getting ready for Boeing interview. - Simulink addition where we can control the setpoints for the sim by using a gamepad.	5	5
Cole Hunt	- Flight training: 1 battery cycles - Flashed Crazyflie software	3	3
Connor Ryan	- Reviewed slides - Draft milestones - Flight training: 1 battery cycles	3	3
Emily Anderson	Absent: Grace Hopper Conference	X	X
Gautham Ajith	- Charged batteries - Reviewed lab doc - Reviewed slides - Flight training: 1 battery cycles	4	4
Grant Giansanti	- Flight training: 1 battery cycles - Reviewed slides - Evaluating microprocessor capabilities	3	3
Tyler Johnson	- Flight training: 2 battery cycles - Reviewed slides - Downloaded virtual box	4	4

Comments:

- Working on milestones to establish timeline and scope of project.

Next Week Plans

- Finish part 1 of MP-4
- Continue flight training
- Design Document: User Needs