Senior Design Team may23-45: MicroCART Team

Week 7 Status Report (10/7-10/13)

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

Weekly Progress Summary

- Flew quadcopter using bitcraze firmware
- MP-4: Successfully flashed Part 1 firmware using lab computer
- [Finished initial part selection](#)
- [Design Document: Project Plan](#)

Pending Issues

- MicroCART computer is not working. Possible rebuild?
- Trouble connecting to crazyflie on personal laptop
  - Got the CrazyFlie Firmware flashed but it won't connect with crazyradio

Individual Contributions

Team Member	Contributions	Hours	Total Hours
Austin Beinder	- Flight training: 5 battery cycles - Finished initial part selection - Watched Euler angle videos - Watched LQR controller video - Watched Sensor Fusion webinar - Read through papers and wiki	7	20

Cole Hunt	● Flight training: 3 battery cycles ● Flashed default crazyflie firmware ● Test flight of crazyflie	5	12
Connor Ryan	● Flight training: 4 battery cycles ● Project planning ● Found lab computer with VirtualBox ● Flashed MP-4: Part 1 firmware	6	15
Emily Anderson	● Flight training: 1 battery cycles ● Catching up reading through documentation and lab	5	5
Gautham Ajith	● Flight training: 4 battery cycles ● Helped flash crazyflie firmware ● Project planning	4	14
Grant Giansanti	● Flight training: 3 battery cycles ● Working on crazyflie to Pi conversion	4	14
Tyler Johnson	● Flight training: 6 battery cycles ● Flashed crazyflie firmware ● Broke crazyflie	4	15

Comments:

● Tyler broke a crazyflie

Next Week Plans

● Finish MP-4 Part 1
● Start on PCB design
● Basic operation testing on Pi Zero W
● Generate plan to run existing software on an operating system