

Weekly report

An Nguyen

2017-08-01

1 Plan for this week

1.1 Research

- Fly hexacopter with the net on Thursday evening
- At least one more test flight next week
- Help Praveen analyze the log
- Sign up for FAA Exam

2 Done this week

2.1 Research

We were able to have a test flight with video. There was a problem with EM interference from the sparks so we are investigating ways to avoid that. Solutions include:

- Have the python code catch the I/O error and just skip over it. Praveen is working on this.
- Put all the electronics in a metal box. Shriya is working on this.
- Mount the electronics directly to the side of the net

Will have another test flight on Thursday, Aug 3rd.

I have registered for the FAA test on Aug 31st, 1 PM at TSU.

3 Plan for next week

3.1 Research

- Fly hexacopter on Thursday evening. Hopefully with logging
- At least two test flights next week
- Help Praveen analyze the log
- Study for FAA exam. Resources include:
 - https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/media/remote_pilot_study_guide.pdf
 - https://www.faa.gov/training_testing/testing/test_questions/media/uag_sample_exam.pdf
 - https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/phak/

4 What Dr. Becker need to do

We need to think about what algorithm to include in this paper.