

An Nguyen

2016-06-15 Report

1. GOALS for this week

- Get quadcopter to fly autonomously
- Start integrating RTK-GPS to quadcopter
- Communicate with Nhan and Vinh
- Fix 3D printer

2. ACCOMPLISHMENT this week

- Set up new 3D printer
- Talked to Vinh and Nhan, helped showed Vinh how to solder SMD
- Flew test flight that dropped off geophones with Srikanth and Victor

Status on automating Quadcopter

The pixhawk has been shown that it can control the quadcopter manually. I've achieved GPS fix outside of the engineering building. Currently I'm working on arranging transmitter switches to put the pixhawk into mission mode and safety mode.

At the same time, since the high power module has arrived, I can also work on upgrading the hexacopter to the pixhawk.

3. GOALS for next week

- Autonomous test flight of quadcopter
- Upgrade Hexacopter

4. Notice of diminished capacity

I'm getting my 4 wisdom teeth taken out today (7/27/2016). Since I'm a fast healer most of the time. I anticipate I can come back to the lab on Friday, albeit with some diminished capacities due either the pain or the painkiller. Things should improve after the weekend. I'll talk to Srikanth about partnering up with him on automating the quadcopter and hexacopter.