

EE 183DB Week4 Plan

Team Daphne

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Week 3 Progress

- PCB board soldering (Finished and working)
 - We can now upload code and read IMU outputs
- Real-time Raspberry Pi camera configured
- Tested waterproofing on micromotors
 - Video: <https://youtu.be/wD9vtMtdmzU>
- Finished writing arduino code

Week 4 To do's

Likai: Send quadcopter frame to Lux Lab for printing

Order and assemble controller for quadcopter

Help with testing, maybe build a backup PCB

Kevin: Research quadcopter controls and help with the code

Jerry: Further improve the code (still need some tuning)

Start testing procedure

Challenges

1. Large motors are still shipping(...)

Hopefully they can arrive by the end of this week

2. Research on PCB waterproofing coating
3. Prepare for midterm presentation next week
4. Micromotor draw much more currents underwater
5. Need backup for all electronics in case of water damaging