

# MEETING MINUTES

## CAPSTONE MEETING

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Date: October 9

Time: 2:00pm

Meeting called to order by: Team 3

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### IN ATTENDANCE

Dylan, Andrew, Branson, Aaron, Ethan, Jonathan

### OLD BUSINESS

- Scheduled meeting with ME team to discuss plans.
- Planning for minimal function design once ordered materials arrive.
- Planned for which subsystems are still needed and not needed without the bike in order to prioritize the most important subsystems.

### NEW BUSINESS

- Discussed with Mechanical Engineering team about plans to downsize to 0.5 horsepower motor and their new role.
- Finishing BOM's and ordering materials.
- Discussing plans with VFDs that are available in capstone room.

### MEMBER UPDATES

- Dylan: Redesigned the downsized, 0.5 horsepower system, got BOM approved, and is ordering new components.
- Andrew: BOM approved, Ordered materials and continuing to research efficient ways to communicate DAQ to throttle control.
- Branson: BOM approved, Ordering materials, and researching information related to VFD and wiring.
- Aaron: BOM approved, Ordered materials, and researching Labview and DAQ information.
- Ethan: BOM approved, materials ordered and received, design pieces to be 3D printed for assembly.
- Jonathan: Submitted BOM and waiting on approval to order, continuing research on sensor information.

## **ACTION ITEMS**

- Dylan: Waiting on materials and continuing research on materials and components for downsized system, as well as VFD information.
- Andrew: Waiting on materials and researching for minimal function design relating to user interface, as well as throttle control and DAQ communication.
- Branson: Waiting on materials and continuing to go over VFD settings and manuals to help with setup and wiring.
- Aaron: Waiting on materials and continuing research into Data Acquisition and Labview.
- Ethan: Continuing research into designing 3D components and continuing to program Arduino with stepper motor
- Jonathan: Waiting on materials and approval to order, continuing work and research for new sensor components

## **NEXT MEETING**

Next meeting will be held on October 9<sup>th</sup> @ 2:30pm

Motion to adjourn was made at 3:30pm and passed unanimously.