

# MEETING MINUTES

## CAPSTONE MEETING

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Date: November 20th

Time: 3:30pm

Meeting called to order by: Team 3

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### IN ATTENDANCE

Dylan, Andrew, Branson, Aaron, Ethan, Jonathan

### OLD BUSINESS

- Showed Mr. Rentschler our minimal function prototype and got our deadline extended till Dec. 5th.
- Team ordered another motor and wiring for braking system as well as programming another VFD.
- Working with mechanical team to create more couplings for new motor.
- Waiting on Mechanical team to finish up table for equipment to be mounted.

### NEW BUSINESS

- Waiting on Mechanical team to drill tabletop for equipment to be mounted.
- Received new motor for regenerative braking
- Setup and programmed new motor with additional VFD
- Rewired E-stop to work for both VFDs and motors.

### MEMBER UPDATES

- Dylan: Continued integrating both motors and VFDs as well as wiring.
- Andrew: Continued on user-interface and to display values (RPM, Torque, Watts) from torque sensor. Also continue work on data collection from DAQ into Excel.
- Branson: Continued integration of new motor and VFD as well as wiring. Also working on over-current protection for entire unit.
- Aaron: Continued work on DAQ to torque sensor interfacing for RPM and interfacing DAQ to new VFD and motor.
- Ethan: Continued work on throttle control system and programming Arduino.
- Jonathan: Continued on integrating with DAQ to torque sensor for RPM as well as to new VFD and motor.

## **ACTION ITEMS**

- Dylan: Continue working on new motor, VFD, and wiring.
- Andrew: Continue on DAQ interfacing and user interface setup.
- Branson: Continue working on new motor, VFD, system over-current protection and wiring.
- Aaron: Continue on DAQ interfacing and user interface setup.
- Ethan: Continue with throttle control system coding and design.
- Jonathan: Continue with DAQ interfacing to torque sensor for RPM.

## **NEXT MEETING**

Next meeting will be held on November 26<sup>th</sup> @ 3:30pm

Motion to adjourn was made at 4:30pm and passed unanimously.