MEETING MINUTES

CAPSTONE MEETING

Date:	October 14
Time:	2:30pm
Meeting called to order by:	Team 3

IN ATTENDANCE

Dylan, Andrew, Branson, Aaron, Ethan, Jonathan

OLD BUSINESS

- Discussed progress in receiving orders
- Met with ME team regarding a physical load for the dyno
- Using downsized equipment to create a proof of concept

NEW BUSINESS

- Everybody has ordered and received parts
- Need a new order for e-stop, wire & 3-prong plug for VFD, mount for DAQ
- VFD has been mounted inside enclosure, DAQ is being programmed

MEMBER UPDATES

- Dylan: writing up motor pin and VFD wiring diagram for approval.
- Andrew: working on LabVIEW daq software and hardware. Front panel is finished but will likely change throughout testing. Rear panel is in works.
- Branson: Continuing work on wiring VFD to motor as well as interfacing the vfd with the daq.
- Aaron: researching NI daq hardware for interfacing with the labview software.
- Ethan: 3d printed bike throttle clamps and used arduino for programming stepper motor driver.
- Jonathan: received torque sensor order. Working on reading signal output

ACTION ITEMS

- Dylan: order e-stop for VFD, wire motor to VFD and get approval before starting
- Andrew: finish labview programming for dyno testing. Change front panel to fit the downsized project
- Branson: order wire for 3 prong to VFD. Assemble plan for controlling vfd with -10v to 10v signals (digital/analog)
- Aaron: work on mounting daq in enclosure, wiring sensor to daq, and control wire to vfd
- Ethan: Finish printing new throttle control components (old ones broke) and begin testing motor control with Arduino.
- Jonathan: power sensor, and work with Andrew and Aaron to interface sensor correctly with daq/labview.

NEXT MEETING

Next meeting will be held on oct 21 @ 2:30pm

Motion to adjourn was made at 3:00pm and passed unanimously.