Automated Microbial Analysis Weekly Meeting Notes

01/30/2020

* Group Members in Attendance
  + Bendt, Zachary
  + Bruslind, Jorian
  + Hall, Macklin
* Project Unknowns and Risks
  + Increased disruption of the Chinese PCB industry due to delays caused by CoronaVirus.
  + Should we use an additional arduino dedicated to handling the encoders?
  + PCB for the optical sensors?
* Tasks from This Week
  + Zach
    - Client Updates (1hr)
    - Controls debugging (3 hrs)
    - Kinematics research (2 hrs)
    - Kinematics coding (1 hrs)
    - Design Review (2 hrs)
    - Client update email (30 min)
  + Jorian
    - Design review prep (files/measurements) (2hrs)
    - PCB design for end effector (3hrs)
    - Research into on-board buck converters (2hrs)
  + Mack
    - Design Review Prep (1.5 hrs)
    - Working on Main PCB board (1.5 hrs)
    - Homing sequence debugging (1 hr)
    - Resoldering of power connections (15 min)
* Group Meeting Topics
  + Future meeting times
  + Updating Block diagram
  + PCB design
  + Meeting with Don to discuss changes of course expectations
  + Problems with the ATtiny and their solutions
* New Items
  + Documentation for the system has been updated and is now current
* Tasks for Next Week
  + Zach
    - Continue building GUI (4 hrs)
    - Continue controls coding (3 hrs)
  + Jorian
    - Add in structural supports for stepper StallGard (4hrs)
    - Create pneumatic aperture/mounting (4hrs)
  + Mack
    - Continue work on homing sequence (1 hr)
    - Work on ironing out kinks porting grbl to Nano from Uno (2.5 hrs)
  + Everyone
    - Do good; don’t do bad.
* Hours This Week

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| --- | --- | --- | --- |
|  | Total Hours | Hours w/ Team | Hours Helping |
| Bendt, Zachary | 9.5 | 4 | 4 |
| Bruslind, Jorian | 7 | 2 | 2 |
| Hall, Macklin | 4.25 | 3.25 | 3.25 |