Automated Microbial Analysis Weekly Meeting Notes

2/13/2020

* 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.
  + What should the enclosure look like? How should it be laid out?
  + PCB for the optical sensors?
* Tasks from This Week
  + Zach
    - GUI Development (6 hr)
    - Block Updates (1 hr)
    - Block Validations (3 hrs)
  + Jorian
    - Modeled acrylic panels for the enclosure system (4hrs)
    - Spec’d out materials and contacted vendors for panel system (2hrs)
    - Created latching system for the panel mounts/acrylic (3hrs)
  + Mack
    - Created BOM for parts order (1 hr)
    - Block Updates (1 hr)
    - Block Validations (3 hrs)
* Group Meeting Topics
  + Primary Control PCB connector choice
  + Block and interface revisions
  + Strategies to eliminate physical limit switches
  + Intra-system communication techniques
* New Items
  + Primary Control PCB design finalized and ordered
  + System can now successfully complete a homing sequence
  + Physical limit switches will no longer be utilized
* Tasks for Next Week
  + Zach
    - All Block Checkoff preparation (2 hrs)
    - All Block Checkoff (1hr)
    - GUI integration into system (1 hr)
    - Controls integration and testing (3hrs)
  + Jorian
    - Purchase pneumatic system (tubing, suction cup, etc) (1hr)
    - Assist in PCB manufacture (4hrs)
    - Assist in PCB testing/validation (3hrs)
  + Mack
    - PCB assembly (4 hrs)
    - PCB testing/validation (4 hrs)
  + Everyone
    - Do good; don’t do bad.
* Hours This Week

|  |  |  |  |
| --- | --- | --- | --- |
|  | Total Hours | Hours w/ Team | Hours Helping |
| Bendt, Zachary | 10 | 4 | 4 |
| Bruslind, Jorian | 9 | 4 | 4 |
| Hall, Macklin | 5 | 4 | 4 |