Automated Microbial Analysis Weekly Meeting Notes

12/5/19

* Group Members in Attendance
  + Bendt, Zachary
  + Bruslind, Jorian
  + Hall, Macklin
* Project Unknowns and Risks
  + Can a single Raspberry Pi be used to do image processing AND motor control?
  + Should we include a depression to catch the finished samples?
  + How can we ensure accurate motor movement?
  + Do we need to implement half-stepping in the motors? If so, will we still have enough torque?
  + What purpose does our final project aim to fulfill?
  + What components should our user interface have?
* Tasks from This Week
  + Zach
    - RIR report (6 hrs)
    - Began work with GUI library (1 hr)
    - Technical Demonstration Prep (2 hrs)
    - Power Budget (2 hrs)
    - Block Diagram (15 min)
  + Jorian
    - RIR Report (6hrs)
    - Power Budget (1hrs)
    - Professional Portfolio Assembly (2hrs)
  + Mack
    - Finish RIR and Professional Development assignment (10 hrs)
    - Power budget (1 hr)
    - Block diagram (15 min)
* Group Meeting Topics
  + Power budget
  + Block diagram
  + Client Update
* New Items
  + Documentation for the system has been updated and is now current
* Tasks for Next Week
  + Zach
    - Finals (all the time)
    - Technical Demonstration (15 min)
  + Jorian
    - Technical Demonstration (15min)
    - Create Base mounting structure (2hrs)
    - Print/Assemble Base mounting structure (1hrs)
  + Mack
    - Assemble V2 of custom PCBs (1 hr)
    - Create custom PCB presentation (2 hrs)
    - Technical demonstration (15 min)
  + Everyone
    - Do good; don’t do bad.
* Hours This Week

|  |  |  |  |
| --- | --- | --- | --- |
|  | Total Hours | Hours w/ Team | Hours Helping |
| Bendt, Zachary | 11 | 3 | 3 |
| Bruslind, Jorian | 9 | 3 | 3 |
| Hall, Macklin | 11.25 | 0 | 0 |