

Wizard's Chess Meeting 3 - Design Review 1

2/05/2020

Minutes

8:30-8:35

- Shae -- Update on slider development
 - Expect to start printing new sliders next week to have testing done
- Delany -- Update on electromagnet mechanism
 - Testing of metal disks with wood between electromagnet and pieces
 - Will use magnets of metal disks do not attract strong enough to the electromagnet
- Luke -- Update Motor controls
 - Need to develop more command transfers and a program for stepper motor
 - Code is in C, but need to figure out how to communicate this with the Raspberry Pi
 - Convert stepper motor control to core-xy system vs. current XY plotting
- Fabio -- Update on Code
 - Two options for position tracking, integrating of libraries for chess rules, voice commands
- Ben -- Update on Website
 - Website is up with materials/cost page
 - "About Us" page to fill in individually

8:35-8:40

- Design Review 1
 - Need 5V for display, keyboard, microphone, raspberry pi
 - Drive LCD on Raspberry Pi for testing while getting voice control working
 - Unclear problems: code conversion still in progress
 - Stepper motor connection to Raspberry Pi output

8:46-9:00

- Talk with building manager
 - Can get access to first floor shop
 - Cannot for the moment have access to 3D printing room, must work within TA hours
- Website will include all major documents, board designs, code, meeting agendas and minutes
- At next design review, must have all subsystems working independently
- Find combined 12 V and 5 V power supplies from old PCs