

## Meeting Notes

April 12th, 2018

### What was discussed:

- Meet at 5:00 on Monday – at IRIC – math & wiring meeting
- Matthew Report
  - Put videos of exercises into application
  - Fixed the main icon
  - Hasn't started implementing the percent error stuff yet – can use what he has
- Quinn Report
  - Received the fabric for Bre
  - Hasn't printed the new case, but will be working more on it this week
- Jacob Report
  - Printed new casing and sent another file to Melissa for case lid, as it didn't get printed
  - Final case is printed, and should be good to go for EXPO
  - Drew up a cube for meeting on Monday to attach sensor to for rotation purposes
    - To print before Monday
- Ruth Report
  - The rotation of the angles is flipping the numbers 180 at certain times in the shoulder sensor
    - This will all be discussed and worked on together on Monday at 5:00.
- Bre Report
  - Made another harness with intent for it to be the final one
    - Will add snaps on the back so that the arm section can move from side to side for both arms
  - Asked to be able to present her harness at WSU – talk to Dr. Perry
- Alex Report
  - Found articles on percent error and the kinematic mathematics
  - Got videos sent to Matt that worked
- Harness discussion
  - To add more elastic on the sides that go around the ribcage to add stability and allow for better size ranges
  - Add Velcro or something on the shoulder sections to make it easier to don/doff
  - Fabric for wrist and arm sections is here and ready to be made
- Wiring discussion
  - May need to buy wires – to do before Monday
    - Look on Amazon? Digikey?
    - Cat6 or ribbon
    - We could use Cat5 if we can't get the wires here
  - Dr. Perry has some small wires that could be used

### To do before next meeting (4/16 @ 5:00 pm @ IRIC):

**All** to prepare for meeting on Monday – ideas, notes, etc.

Bring materials for putting parts into harness (cases, wiring, sensors, harness, sleeve, etc.)

**Matt** to implement percent error stuff into application

**Agenda for Next Meeting:**

**Agenda for 4/16:**

**Date: Monday, April 16, 2018**

**Time: 5:00 pm**

**Place: IRIC**

1. Work on math parts of angles of movement
  - a. Talk with Sebastian and/or Chris
  - b. Have this worked out and understood before leaving the meeting – assign tasks to work on alone if need be.
2. Work to design layout of wiring and case implementation into harness
  - a. Decide any other work that needs to be done before it can officially all be pulled together

**Agenda for 4/19:**

**Date: Thursday, April 19, 2018**

**Time: 3:30 pm**

**Place: Think Tank A**

1. Report all findings from meeting on Monday
2. Determine any further tasks to complete from the Monday meeting
  - a. Assign these specifically so each task is sure to be completed by 4/26 (Thursday before EXPO)
3. Discuss presentation and poster approach for EXPO - from class on Tuesday (4/17)
  - a. Assign these tasks specifically also