Sunday 3/04/18 Meeting

AGENDA

- **Date, time:** 3/04/18, 1:00 – 5:00
- **Location:** Hitchcock 214/208
- **Objective for meeting:** Develop electromagnet mechanism, start coding for PT3, and work on documentation
- **Action items:**
    - Attach electromagnet to servo motor
    - Test electromagnet to see if it can consistently pick up the wrench
    - Determine how to code the electromagnet and write functions to retrieve and release the wrench
    - Wire management box
    - Documentation and project management

Prospective Timetable:

1:00	One-two team members start working on code for the wrench task while the other two work on solidifying the electromagnet mechanism
1:30	Continue code and move on to documentation and project management (writing report draft) if needed.
2:30	Continue code/ documentation and begin testing electromagnet
3:00	Once electromagnet mechanism is working, start devising a way to accomplish performance test three
3:30	Start PT3 code
4:00	^^
4:30	Test robot on course to see if it can do the tasks for PT 3
5:00	^^

NOTES

- Attendance: [Avee, Sean] (1:00), [Kyle, Sarp] (2:00)
- Timetable
    - **1:00**: Sean and Avee meet in Hitchcock 214 to start code for testing the electromagnet
    - **1:35:** After drafting some electromagnet code, Sean and Avee move on to work on starting the final report
    - **2:00:** Kyle and Sarp arrive and start working on devising an electromagnet mechanism. They focus on attaching the electromagnet to a servo (they end up using a staple) and devising a way to mount everything on the robot. Avee and Sean continue documentation.
    - **2:30:** Kyle and Sarp decide to use the servo motor box as a makeshift wire management box. The team decides this idea will be solidified and polished so that it can be integrated into the final product.
    - **3:00:** The team begins to take measurements of the course to determine how far and at what height the servo needs to place the electromagnet so that it picks up the wrench. Avee begins to work on code for PT3
    - **3:30:** After the temporary electromagnet mechanism is mounted to the robot, the team begins testing. Because the robot is still blind, the team resorts to their favorite method of navigating the course: timing!
    - **4:00:** The team continues to test, altering the code as needed and painstakingly adjusting numbers so the timing of the robot is correct.
    - **5:00:** The team is kicked out of open lab
- Completed Action Items
    - Started working on PT3
    - Created makeshift electromagnet for wrench mechanism
    - Made progress on documentation (website, timesheets, final report)
- Uncompleted Action Items
    - None
- Goals for next time
    - Finish code and testing for PT3
- Other notes:
    - none