

Tuesday 2/20/18 Meeting

AGENDA

- **Date, time:** 2/20/18, 3:00-8:45
- **Location:** Hitchcock 214/208, Smith lab machine shop,
- **Objective for meeting:** Start (and hopefully finish) robot alterations and code for PT1
- **Action items:**
 - File shaft collars
 - Alter ping pong skid
 - Mount CdS cell
 - Map out plan and division of work for performance test 1
 - Start coding performance test 1
 - Timing
 - Figure out adequate motor percentages

Prospective Timetable:

3:00	Meet in Hitchcock 214, figure out what work needs to be done
3:15	Move to machine shop to file shaft collars, alter the skid, and mount the CdS cell. If not all team members are needed, then some can work on documentation/project management/coding
3:30	^^
3:45	^^
4:00	Fine tune changes to the robot in 214. Figure out if it moves straight. If not, start making alterations. Meanwhile, start drafting code for performance test 1.
4:15	^^
4:30	Continue code for PT1
5:00	Start testing robot to determine how to make it turn a certain amount of degrees/ travel a set distance/ etc
5:15	^^
5:30	^^
6:00	^^
6:15	Start implementing code
6:30	Debug code/alter parts of it to account for unforeseen mechanical problems
6:45	^^
7:00	Start testing robot on the course
7:15	^^

7:30	Fine tune robot's movements with timing
8:30	^^

NOTES

- Attendance: Avey, Kyle, Sarp
- Timetable
 - **3:00** Kyle, Sarp, and Avey meet in machine shop to finish assembling robot.
 - **3:10** Sarp files down shaft collars, as Kyle drills holes in chassis for ping pong ball skid. Avey works on documentation outside machine shop
 - **3:30-5:30** the three people return to Hitchcock, mount cds cell, and test robot. The robot did not go in a straight line (angled towards right when going straight), because our shaft collars did not mount the right way on our axles. We attempted to fix it with filing them down and repositioning them, neither of which worked. Instead, a ratio was found between the motor percentages that made the robot go straight. No other problems were observed.
 - **5:30-8:45** Now that our robot had (relatively) straight motion, we coded the robot to perform the first performance test. The movements were based on timing with a constant motor percentage.
- Completed Action Items
 - Produced working code for PT1
 - All necessary physical alterations made to robot (shaft collars, CdS, skid, etc)
- Uncompleted Action Items
 - None
- Goals for next time
 - Get an official run for PT1 and get all bonus points
- Other notes:
 - none