

Wednesday 2/21/18 Meeting

AGENDA

- **Date, time:** 2/21/18, 3:00-7:00
- **Location:** Hitchcock 214/208
- **Objective for meeting:** Complete performance test 1!
- **Action items:**
 - Fine tune timing and code for PT1
 - Determine what needs to be done to complete PT2
 - Start PT2 code

Prospective Timetable:

3:00	Start last minute testing of code for PT1
3:15	^^
3:30	^^
3:45	First official PT1 run
4:00	^^
4:15	Figure out what needs to be done for PT2
4:30	Start code for PT2. Also work on documentation/ project management
5:00	^^
5:15	Test robot with timing. If needed, continue to work on documentation
5:30	^^
6:00	^^
6:15	Alter code if needed and continue testing
6:30	^^
6:45	^^
7:00	^^

NOTES

- Attendance: Avee (3-5:00), Kyle, Sarp, Sean
- Timetable
 - **3:30-4:00** The CdS cell was coded into a while loop before attempting the performance test, which the robot completed on the first try. There was a unanimous decision to make progress on Performance Test 2.
 - **4:00-7:05** The robot was set to a constant motor percentage (30% left wheel, 31% right wheel), while the distance it moved was tested over 1, 2, and 3 second intervals to find a ratio between inches and seconds, which was used to calculate how long the motors should be turned on for each movement. The measurements of the course and the planned path of the robot converted to seconds were used to define the robot's motor movements. After the robot got to the light near the button board, it was coded to move in a way that presses the right and middle button when red, and the left and middle button when blue. Cardboard starter board was made so that the robot would be positioned accurately every time.
- Completed Action Items
 - Performance test 1 completed (25/20)
 - Produced working code for PT2
 - Cut cardboard box to get accurate starting placement of robot
- Uncompleted Action Items
 - None
- Goals for next time
 - Fine tune code for PT2 and get PT2 done by Friday
- Other notes:
 - "Unprecedented"
 - "The greatest thing I've seen all day"