

CprE 491 WEEKLY REPORT 08

11/1 – 11/7

Group number: 8

Project title: Race of Doom

Client &/Advisor: Dr Bigelow

Team Members/Role: Alex Crandall, Wesley Jansen, Elizabeth Schmitt, Ben Towle, Lalitha Vattyam

- **Weekly Summary**

This week we worked on getting the components we ordered from ETG to work. We had an issue dealing with the camera and the realsense software, however, we were able to get the camera to work after changing the fps speed. We are still working on getting the IR sensors to work and will be planning to connect our components onto the RC car by the end of next week.

- **Past week accomplishments**

- Team Member 1: Alex Crandall: Created breadboard outline for connecting the different components on the RC car.
- Team Member 2: Wesley Jansen: Worked on the IR sensors
- Team Member 3: Elizabeth Schmitt : Worked on the IR sensors
- Team Member 4: Benjamin Towle : Worked on the Camera and SDK
- Team Member 5: Lalith Vattyam: Worked on the Camera and SDK

- **Pending issues**

This week we had troubles with understanding how our components work and how to connect all of them together, however, after working on them this week, we were able to get our sensors to start working and were able to see results on the SDK.

- **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Alex Crandall	Worked with ben for hardware schematic and started simulations	6	47
Wesley Jansen	Worked with Liz on the IR sensor and initial breadboard circuit development	6	47
Elizabeth Schmitt	Worked with Wes on the IR sensor and initial breadboard circuit development	6	47
Ben Towle	Worked on the camera as well and primarily took care of the SDK	6	48
Lalitha Vattiyam	Debugged the camera to increase the fps for live visuals	6	47

***Starting cumulative hours count on weekly report #1**

- **Plans for the upcoming week**

- Alex Crandall – Finish the circuit development on the breadboard
- Wesley – Get IR sensors to work in unison and figure out which IR sensor out of the three we will rely on in case of different readings
- Elizabeth – Get IR sensors to work in unison and figure out which IR sensor out of the three we will rely on in case of different readings
- Ben – Work on the Lidar sensor, and figure out a way to work on the raspberry pi
- Lalith – Work on the Lidar sensor, and figure out a way to work on the raspberry pi

- **Summary of weekly advisor meeting**

This week, when we met with Dr. Bigelow, we discussed our progress in the construction of our RC car and how the different components are working currently. We seeked his guidance on how we should go about prioritizing tasks and splitting them up amongst us. He told us that this semester we should primarily focus on working as a group to make a working prototype, and by next semester we'll be setting ourselves up well to work in our groups to accomplish the race.