

EE 491 Weekly Report

DEC15-10 IVend Product Delivery Sensor Design Analysis

Advisor: Dr. Zhengdao Wang

Client: Fawn Engineering

Members (roles):

Tyler Westberg (Team Leader)

Jacob Olstad (Communication Leader)

Tim Howell (Webmaster)

Steve Dorenkamp (Webmaster)

Seth Schmidt (Concepts Holder)

Weekly Summary:

This week was dedicated to working on project documentation and working on perfecting firmware.

Group Meeting 12/3:

Duration 2 hours. Members: Jacob Olstad, Tyler Westberg, Tim Howell, Seth Schmidt, Steve Dorenkamp, Dr. Wang

Notes:

This meeting was held to test the board with calibration implemented and to update Dr. Wang on the project. Dr. Wang was happy with the progress and was excited to see how the final results would turn out. Firmware with calibration implemented was tested and results about 90% detection were achieved. The team was happy with these results but efforts are planned to increase this.

Plans for next week:

1. Finish firmware with fewer detectors looking at an led
2. Finish documentation

Members Contributions:

Tyler Westberg: Worked on finishing up poster and completing designated section of Final Document. Set up final meeting between Fawn and the team.

Jacob Olstad: working on final presentation, working with final hardware

Tim Howell: Updated group webpage. Wrote operation manual and helped work on final documentation.

Steve Dorenkamp: Again performed tests to see how system has improved and final document.

Seth Schmidt:

Project Contributions:

<u>Member</u>	<u>Time this week (hrs)</u>	<u>Time to date (hrs)</u>
Tyler Westberg	3	96.75
Jacob Olstad	7	139.5
Tim Howell	5	103.5
Seth Schmidt	0	76.5
Steve Dorenkamp:	2	73