

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 meeting with Fawn and deciding how to move forward with the project.

Group Meeting 9/19:

Duration: 3 hour

Members: Jacob Olstad, Steve Dorenkamp, Tyler Westberg, Tim Howell, Seth Schmidt, Fawn

Notes:

This meeting was held to meet with Fawn and to provide them with what our plans were for the semester. It was decided that we would move forward with more detectors and a circuit to lower the intensity of the light. We also promised Fawn a schedule in the next few days.

Group Meeting 9/22:

Duration: 1 hour

Members: Jacob Olstad, Steve Dorenkamp, Tyler Westberg, Tim Howell, Seth Schmidt

Notes:

This meeting was held to create a schedule moving forward and to begin to assign tasks.

Plans for next week:

1. Begin working on firmware

Members Contributions:

Tyler Westberg: Group meeting with Fawn in Des Moines. Worked with team to set up timeline and schedule for the rest of the semester and to select the number of emitters and detectors moving forward.

Jacob Olstad: Team meeting with Fawn, Team meeting to develop plan moving forward, firmware work and prototyping

Tim Howell: Team meeting with Fawn in Des Moines, group work to create a timeline and plan out rest of semester, selected an updated microcontroller for redesign.

Steve Dorenkamp: Team meeting with Fawn in Des Moines. Team also met to discuss plan for moving forward and to determine BOM comparisons

Seth Schmidt: Team meeting with Fawn, documentation on experiment with more detectors

Project Contributions:

<u>Member</u>	<u>Time this week (hrs)</u>	<u>Time to date (hrs)</u>
Tyler Westberg	6	59.75
Jacob Olstad	7	74.5
Tim Howell	6	58
Seth Schmidt	4	51.5
Steve Dorenkamp:	6	47