

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 we continued working on tracking down what the detection problem is. We also worked on our second version of the design document.

Group Meeting 4/16:

Duration: 20min

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

Notes:

This meeting was held to discuss the design document and to break up who would be doing what to complete it.

Plans for next week:

1. Continue analog testing
2. Begin presentation
3. Project Plan 3

Members Contributions:

Tyler Westberg: Team meeting to go over updates for Design Document. Time spent on design document updating functional requirements. Time spent on first semester presentation power point. Conducted testing of original sensor pairs with added resistance.

Jacob Olstad: Analog system testing, working on design doc

Tim Howell: Team meeting discussing design document. Working on formatting design

document. Updated web page. Continued working with the MSP430 and trying out some example programs.

Steve Dorenkamp: Team meeting to work on design document. Worked on testing boards varying resistance to transmitters to see effect on received signal. Worked on design document section at home.

Seth Schmidt: Team meeting to go over Design Document, soldered new components on a couple existing boards (not easy to do) to test for light intensity and how it effects the mechanics of our system, tested new components with tray boards.

Project Contributions:

<u>Member</u>	<u>Time this week (hrs)</u>	<u>Time to date (hrs)</u>
Tyler Westberg	3.5	41.5
Jacob Olstad	4	52
Tim Howell	3	39.5
Seth Schmidt	5	36.5
Steve Dorenkamp:	3	29