

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 continuing to track down the problem now that we know where it's at. We also updated our client and Dr. Wang on the problem.

Group Meeting 4/09:

Duration: 20min

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

Notes:

This meeting was held to update Dr. Wang on our board probing and to tell him how we are going to proceed. He was very happy with our progress and feels that we have a good grasp on the problem.

Group Meeting 4/09:

Duration: 4 hour

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

Notes:

This meeting was held to update Fawn of our progress this semester and to tour their production facility. They seemed to be happy with how we have progressed and gave us some ideas going forward.

Plans for next week:

1. Continue analog testing
2. Begin presentation

Members Contributions:

Tyler Westberg: Team meeting with Dr wang. Team trip to Des Moines. Continued testing of system to evaluate cause of problem. Researched other vending detection systems in use.

Jacob Olstad: Team meeting with dr wang, team trip to Fawn and analog testing

Tim Howell: Team meeting with Dr. Wang, team trip to Des Moines to meet with our client. Worked on continuing learning and experimenting with the MSP430 Launchpad.

Steve Dorenkamp: Team meeting with Dr wang. Team trip to Des Moines. Continued testing of system to evaluate cause of problem. Met with Dr Kim to discuss possible solutions.

Seth Schmidt: Meeting with Dr. Wang, Team trip to Des Moines, testing with tray boards, tested how distance between emittor and detector affect the mechanics of the system

Project Contributions:

<u>Member</u>	<u>Time this week (hrs)</u>	<u>Time to date (hrs)</u>
Tyler Westberg	5	38
Jacob Olstad	6	48
Tim Howell	5	36.5
Seth Schmidt	5	31.5
Steve Dorenkamp:	5.75	26