

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's goal was to finish the second version of our project plan and to continue testing on the current boards with our completed test jig.

Group Meeting 4/02:

Duration: 1 hour

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

Notes:

This meeting was held to finish our second design document. We created a visual timeline and updated a the things that were mentioned on our first design.

Group Meeting 4/03:

Duration: 2 hour

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

Notes:

This meeting was held to re-do testing on the current board with the new test jig. Holes were found throughout the current system and areas with holes tended to be very repeatable.

Plans for next week:

1. Mock up analog system and see if we can detect objects
2. Begin presentation

Members Contributions:

Tyler Westberg: Team meeting for project plan, testing with new tray grid.

Jacob Olstad: Team meeting for project plan, weekly report

Tim Howell: Team meeting, updated webpage, project plan reformatted, worked with testing the iVend using the new testing jig.

Steve Dorenkamp: Team meeting for project plan, and testing with new tray grid.

Seth Schmidt: Team meeting for Project Plan, testing with new tray grid, research on irradiance and what makes detectors more sensitive than others

Project Contributions:

<u>Member</u>	<u>Time this week (hrs)</u>	<u>Time to date (hrs)</u>
Tyler Westberg	3	33
Jacob Olstad	2	42
Tim Howell	3.5	31.5
Seth Schmidt	3	26.5
Steve Dorenkamp:	3	20.25