

ECE 492 Weekly Report MAY 1607 Week 4 (1/30/2015-2/07/2016)

Advisor: Jaeyoun Kim

Client: Honeywell, FM&T

Members (roles): Gregory Kuhn (Weekly Report), Noah Bergman (Team Leader) Michael Kelly (Key Concept Holder), Garret Hembry (Webmaster)

Project Title: Microscope Embedded Display for Assembly Work Instructions

Weekly Summary: We had finished ordering the lenses the previous week and therefore our objective for this week is to design a mechanical system that would hold the requisite lenses in place and attach to the microscope using the AutoCAD software.

2/06/16/Group Meeting in TLA

Duration: 120 min **Members Present:** All

Purpose and Goals:

There object for this week was to use AUTOCAD to replicate the mechanism used to hold the circuit together.

Achievements: 1) We were successful in this regard. The device used to hold the circuit together consisted of to 3*5 pieces of plastic together with three holes to be used for the screws of the HDMI port, Power supply, and camera port respectively.

Pending issues

- 1) Install the lenses directly into the microscope's eyepiece.
- 2) Begin to build the circuit with multi-sim software.

Plans for next week

Next week our objective is to physically install the lenses in the eyepiece of the microscope using the system we designed in AutoCAD. We would also like to begin to design the projector circuit.

Individual Contributions (this week)

Gregory Kuhn-Designed the mechanical system to hold the lenses in place using AutoCAD software.

Noah Bergman --Designed the mechanical system to hold the lenses in place using AutoCAD software.

Garret Hembry- -Designed the mechanical system to hold the lenses in place using AutoCAD software.

Matthew Kelly- -Designed the mechanical system to hold the lenses in place using AutoCAD software.

Total contributions for the project

Noah Bergman-40hrs

Gregory Kuhn-40hrs

Matthew Kelly-40hrs

Garret Hembry-40hrs

