

# ECE 491 Weekly Report MAY1607 Week 12 (11/18/2015-11/31/2015)

**Advisor:** Jaeyoun Kim

**Client:** Honeywell, FM&T

**Members (roles):** Gregory Kuhn (Weekly Report), Noah Bergman (Team Leader)

**Michael Kelly (Key Concept Holder), Garrett Hembry (Webmaster)**

**Project Title:** Microscope Embedded Display for Assembly Work Instructions

**Weekly Summary:** Approaching the end of the semester and having completed designing the mechanism used to transmit and amplify an image, our objective was to finalize a working prototype. This would mean designing a mechanism to actually hold the parts (microscope, magnification lenses, and pocket projector) and to make the mechanism aesthetically pleasing and easy to operate.

## 11/20/15 Group Meeting in TLA

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

### **Purpose and Goals:**

There were two objectives of this meeting. The first was to work on creating a fully functional prototype. This meant designing the mechanism to hold the individual parts in place (at the correct heights and lengths) as well as designing a case. The second was beginning to work on the final project presentation.

**Achievements:** 1) We were successfully able to design the mechanism to hold all of our parts in place. This was done using a long piece of sheet metal and attaching each part to the piece using bolts. We were also design a case to hold all the parts in a convenient way.

2) We were able to begin start on our final project presentation, which will be communicated using PowerPoint

## **Pending issues**

- 1) Finalize the prototype.
- 2) Build a case to hold the projector.

## **Plans for next week**

Work the final project presentation and continue research on the design of the actual mini projector.

## **Individual Contributions (this week)**

Gregory Kuhn- Helped to design the final prototype for the project.

Noah Bergman – Designed the case to hold the projector in addition to aiding in the design of the final prototype of the project.

Garrett Hembry - Helped to design the final prototype for the project.

Michael Kelly- Helped to design the final prototype for the project.

## **Total contributions for the project**

Noah Bergman-30hrs

Gregory Kuhn-30hrs

Michael Kelly-30hrs

Garrett Hembry-30hrs