**Group Progress Report**

**Group**: Gauri Prasad, Jocelyn Corey, Tim Hoer

**Project**: Needle Localizer

**Date: 11/12/17**

**Goals for the past week** (copied from last progress report)

1. Prototype the metal detector circuit
2. Continue and complete finger tremor project, this consists of taking the separate parts (mechanical, electrical and software) and putting them together.
3. Complete design specifications assignment
4. Complete a hazard analysis of our prototype.

**For each goal above, comment on your progress**:

1. We are still waiting on the arrival of the parts in order to prototype the circuit, but we have begun to get a CAD prototype of the mechanical enclosure.
2. We have assembled all of the parts of the finger tremor and resized the enclosure to fit all parts. Now we are troubleshooting a few poor electrical connections that degrade our signal.
3. Both the design specifications and the hazard analysis document are in progress and will be completed by the due date in order to be able to assemble our full report for next week.

**Goals for this week**:

1. Prototype the metal detector circuit once parts arrive
2. Continue and complete finger tremor project by improving electrical connections and troubleshooting the reset button.
3. Complete Evaluation, Design Specs, and Hazard Analysis report by Tuesday, November 21
4. Continue to work on mechanical prototype for laparoscopic instrument

**Are there any difficulties with which you need assistance?**

Same difficulty as from last week. To test the feasibility of the metal detector design, we will need to use a new microcontroller and ISCP connector. Currently, we are hoping to figure out how to assemble the circuit with the help of Matt Brown. We will also need Matt Brown to help us reconnect some of our pins and re-solder a few connections on our finger tremor board.

**Other comments:**

N/A