**Group Progress Report**

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

**Project**: Needle Localizer

**Date: 11/5/17**

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

1. Complete poster and plan prototype demo for poster presentation on Thursday.
2. Continue to develop finger tremor project by completing our breadboard circuit and beginning to write Arduino code.
3. Begin to construct metal detector circuit to test feasibility of our design. This is dependent on our parts arriving, which will not be ordered until Wednesday.
4. Begin Design Specifications assignment.

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

1. Poster and prototype were made in class last week and the presentation went smoothly.
2. Finger tremor project has advanced by making the PCB and preparing the connectors to physically interface with the Arduino. Arduino code has been developed that is functional with a breadboard circuit.
3. Parts for the metal detector circuit have been ordered, so we are still waiting on the parts to construct the metal detector circuit.
4. The design specifications assignment has been started for completion on the 14th.

**Goals for this week**:

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.

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

Same difficulty as from last week. To test the feasibility of our proposed design, we will need to work with a new microcontroller and foreign ISCP connector. This will also require using a new programmer and environment to drive the controller. Currently, we are hoping to muddle through with the help of Matt Brown.

**Other comments:**

N/A