**ECEN4013 Team 2 Meeting**

3 September 2015

Attendees: Ben Jespersen, Christian Coffield, Blake Schlesinger, Derrian Glynn, Brandon Hogue, Austin Allen

Project Manager: Blake Schlesinger

Lead Engineer: Ben Jespersen

Team Name - Swordsmiths

Certification Status:

* Austin – basic soldering, Action: Milling
* Christian – T&M, soldering, Action: PIC cert
* Ben – T&M, soldering, Action: PIC cert
* Derrian – soldering, T&M
* Brandon – no certs, Action: obtain certs

Tasks:

* Action: Work on team contract
  + Team contract finalized and saved on Dropbox to be signed by team on (1 Sept. 2015).
* Team member roles discussed and outlined in the team contract document – DONE, document submitted.

Functional Team Block Diagram Level 1: Blake – Post draft on dropbox on weekend of (5 Sept 2015)

PWM:

* Embedded C code vs. external PWM driver IC
  + Internal PWM driver inside PIC is sufficient

Enclosure:

* Austin working on prototype using Google Sketchup
* Blake testing the feasibility of plexiglass.

Blade locking communication:

* Brandon mentions idea of using hall effect sensors with magnets. – under consideration
* Other ideas:
  + Physical terminal connections
  + Photo resistors and LEDs – more efficient than an electromagnet for current draw.

PIC selection: Ben – TBD