

EE 491 Weekly Report DEC15-17 Week 27 (12/1/15-12/7/15)

Advisors: Dr. Ravi Hadimani and Neelam Prahbu **Client:** Iowa State University
Members (roles): Marion Okoth (Team Leader), Elizabeth Clarkin (Website) and Matthew Mulloy (Weekly Reports)
Project Title: Magnetic Sensor Design.

Weekly Summary

The only goal this week was to prepare for final presentation.

Meeting notes:

12/7 Group Meeting with Advisors (Thanksgiving break)

Duration: 60 min **Members Present:** All

Purpose and Goals:

The goal was give our presentation to advisor and receive feedback.

- Final presentation practice: 18 minutes
 - Enthusiasm
 - Problem is hard, stopped industry
 - Software has value, makes use easy
 - Confidence in introduction
 - Materials
 - Research needs references
 - Annealing redesign rephrasing
 - Magnets
 - Giron material composition
 - Add images to characteristics
 - Code
 - Fill pages in certain slides
 - Motivation
 - Unwanted resonances
- Design of magnetic field generator

Pending issues

1. Final Presentation
2. Physical creation of design\

Individual Contributions (this week)

Matthew Mulloy: Attended the meetings, poster, magnet design, weekly report (10 hrs.)

Elizabeth Clarkin: Attended the meetings, poster, presentation, documentation (18 hrs.)

Marion Okoth: Attended the meetings, poster, presentation, documentation (5 hr.)

Total contributions this semester

Matthew Mulloy (97.5 hrs.)

Elizabeth Clarkin (92 hrs.)

Marion Okoth (67.5 hrs.)

Total contributions for the project

Matthew Mulloy (201 hrs.)

Elizabeth Clarkin (215 hrs.)

Marion Okoth (158 hrs.)