

# EE 491 Weekly Report    **DEC15-17**    **Week 24 (11/3/15-11/9/15)**

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**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.**

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## Weekly Summary

The main goal this week was to prepare for our instructor presentation.

## Meeting notes:

11/9    *Group Meeting with Advisors*

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

### Purpose and Goals:

This week's goal was give our presentation and receive feedback.

- Presentation Practice (17-18 minutes)
  - Marion
    - Don't read from slides
    - Define known terms
    - Specificity in goals and objectives
    - Background clarification
    - Accuracy of statements vs. shown characteristics
  - Elizabeth
    - Introduction of need of work
    - Explain video
    - FFT works, update
  - Matt
    - Add solenoid graph for errors
    - Add formulas
    - Add arrows to show materials
    - Add Giron saturation
  - Order of speaking concerns
  - Requirement needs
  - Add conclusion
- Material ordering and explanation

## **Pending issues**

1. Updating documents
2. Presentation
3. Physical creation of design

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

Matthew Mulloy: Attended the meeting, design preparation, design document, presentation, weekly report (7.5 hrs.)

Elizabeth Clarkin: Attended the meeting, GUI, presentation, design document (9 hrs.)

Marion Okoth: Attended meeting, design document, presentation, Multisim (6.5 hr.)

## **Total contributions this semester**

Matthew Mulloy (72 hrs.)

Elizabeth Clarkin (63 hrs.)

Marion Okoth (53.5 hrs.)

## **Total contributions for the project**

Matthew Mulloy (175.5 hrs.)

Elizabeth Clarkin (186 hrs.)

Marion Okoth (144 hrs.)