



# **Cranberry**

## **EE396 Proposal Presentation**



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# Overview

- Introduction
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# Introduction

**Jennifer Chun**

Team Leader

*Fearless Leader*



**Emily Lum**

Team Member

*Teacher of Noob*



**Joslyn Hamada**

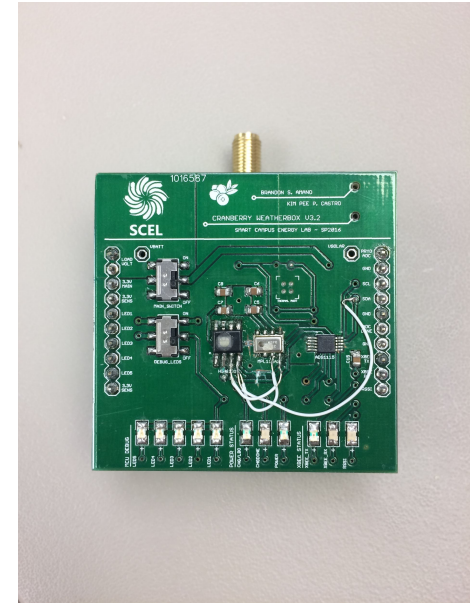
Team Member

*Noob*



# Overview of Project

Objective: To design an improved weatherbox with a more efficient power system and a lower cost



# Goals

## Immediate Goals:

- Understand Cranberry (connections, parts)
- Design Housing
- Test, debug, and deploy Cranberry Version 3.5

## Semester Goals:

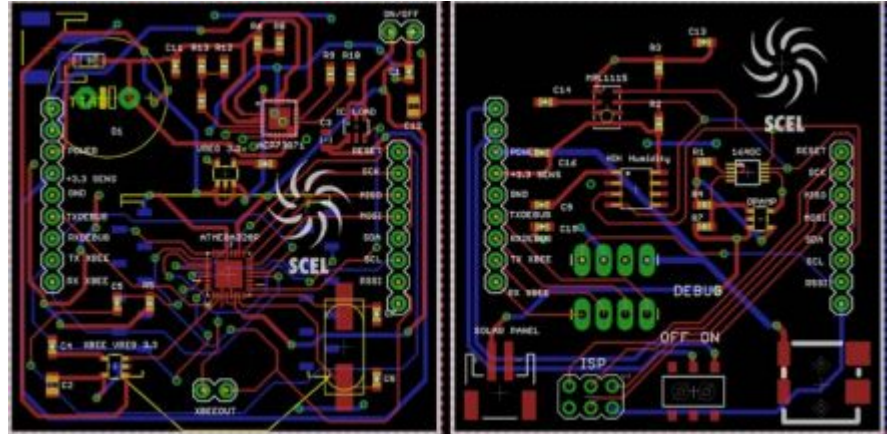
- Improve the current design



# Learning Expectations

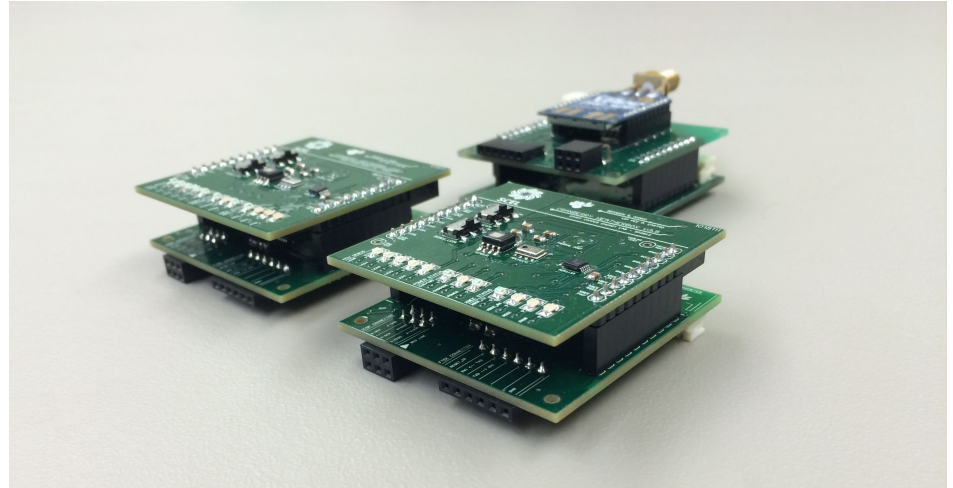
Improve skills in:

- 3D printing and design
- Eagle design
- Hardware



# Progress

- Found and read documentation
- Verified working boards
- Created timeline



# September Timeline

	9/5	9/12	9/19	9/26	Future
Understand Cranberry					
Verify Board Layout					
Test Board					
Debug Board					
Housing/Mounting					
Finish remaining boxes					





# Expected Semester Timeline

September:

- Deploy one Cranberry Version 3.5 weatherbox

October:

- Begin redesigning Cranberry
  - New PCB, fix current problems

November:

- First two weeks: continue designing the new Cranberry
- Last two weeks: build and test weatherbox
- Build housing

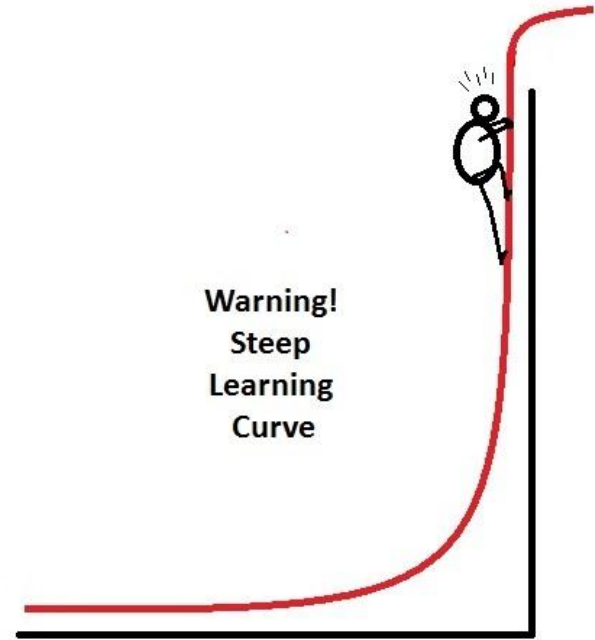
December :

- Deploy weatherbox



# Potential Problems

- Steep learning curve
- Time constraints
- Redesigning the PCB to the same size (2in x 2in)



Any  
Questions?

