



Team Asteroid

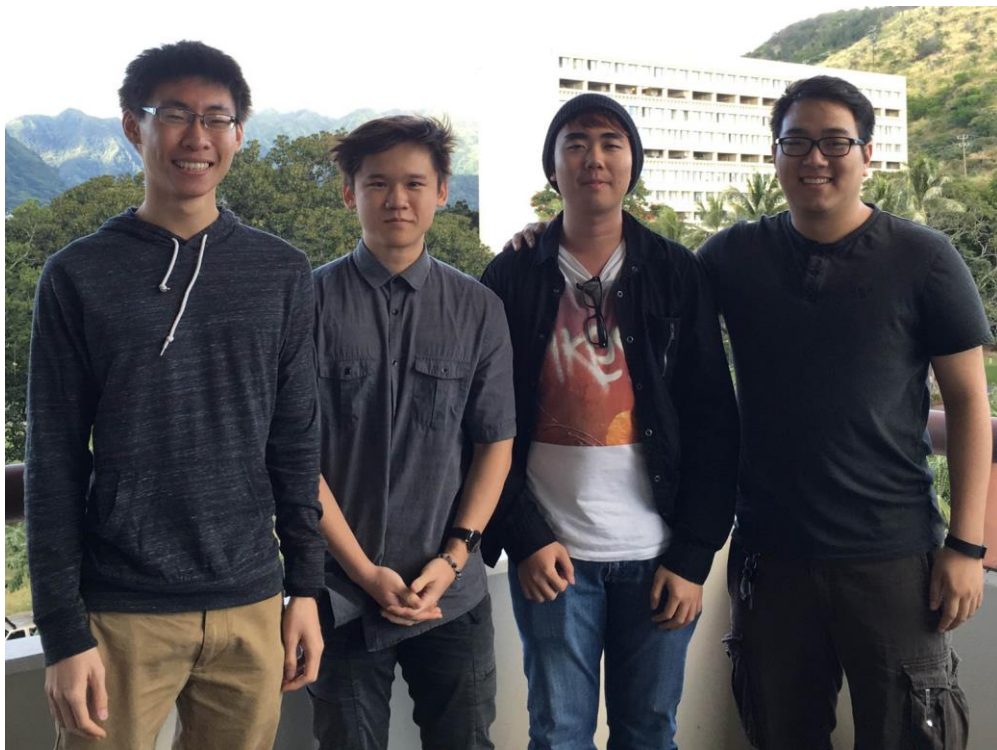
EE296 SCEL Weatherbox Team

Team Introductions

Mentor: Brian Chan

Members: Nathan Lam,
Gordon Li, Kevin Wong

Motto: Ending with a Bang!

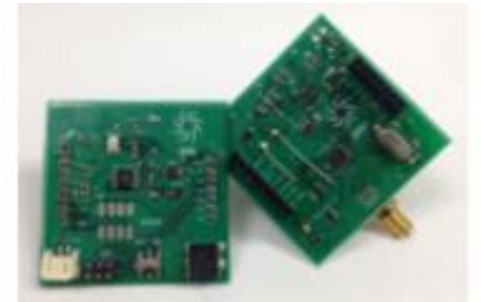


Overview

1. Introduction
2. Motivation
3. Purpose
4. Goals
5. Schedule

Motivations

1. Self sufficient system
2. Reduce dependence on imported fossil fuels
3. Add an additional weatherbox to collect weather data



Purpose

1. Collect and analyze data obtained from weather conditions
2. Cost efficient, accurate, and durable

Goal

1. Successfully construct a working weatherbox



Team Goals For Semester

Skills to Improve On:

Programming (Arduino, C, etc.)

Hardware Design (Eagle, PCB, AutoCAD)

Soldering

Weatherbox:

Gain experience

Integrate modules into one system

Engineering Team:

Leadership

Time Management

Effective Communicators

Semester Timeline

Date	1/25/2016	2/1/2016	2/8/2016	2/15/2016	2/22/2016	2/29/2016	3/7/2016	3/14/2016	3/21/2016	3/28/2016	4/4/2016	4/11/2016
Presentations												
Proposal		*										
Design						*						
Final										*		
Demonstration												
Training												
Git/GitHub		*										
Arduino/Bare Arduino		*										
Eagle			*									
Modules												
Microprocessor			*									
Sensors				*								
Charging Circuit					*							
Xbee					*							
Build												
System Integration						*						
Overall System Firmware									*			
Design/Print PCB									*			
Housing									*			
Test												
Debug										*	*	
Reports												
Final Report												
Leader Color Code	Nathan	Gordon	Kevin	All								Finish Weatherbox

* = Due

Questions?

Image Sources

1. <http://i.kinja-img.com/gawker-media/image/upload/hdmzygrmzk22aj2a2ppl.jpg>

2. Christie Obatake

3. https://212a8c38-a-a308b7b9-s-sites.googlegroups.com/a/hawaii.edu/uh-vip/teams/scel/scel.png?attachauth=ANoY7cqLlqVTSCje101pKqWVrXiF0Va0DV0nmawAQXYjUy0qfT34ldDkzeq32VUO0fOiT1FssdXDg6eOM_bRg-2gxqHgaAIJkRTGldZlvhDN6tfdqS8LZ6erk12eQRa8KoedEj2X0RcLBUXZxliCw6MCXdGj1Mw9awstcD7GhI52ER3UJyBNtb0obQ9KdSvmgpWiPG3mHgK2CmysVjgbN6axG5_HsqAgw%3D%3D&attredirects=0