Cranberry

Experimental Weatherbox Platform

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EE499 Proposal Presentation
February 6th, 2016

Smart Campus Energy Lab (SCEL)
Renewable Energy & Island Sustainability (REIS)
University of Hawaii at Manoa

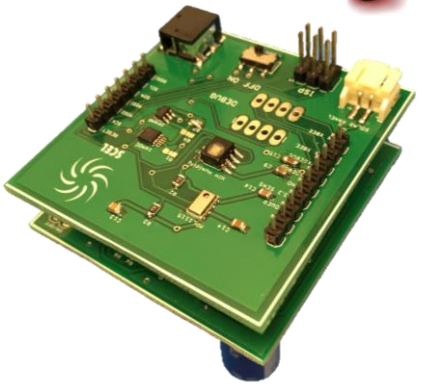
College of ENGINEERING
UNIVERSITY OF HAWAI'I AT MĀNOA

Introduction

Kim Pee Castro - *Team Lead*

Brandon Amano - *Team Member*

SP2016 Semester Goals



Version #2:

- Work alongside *Firmware* to test the sensor and communication subsystems

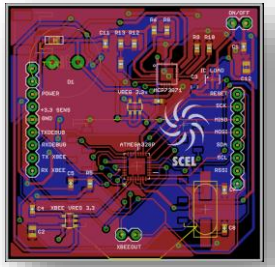
Version #3:

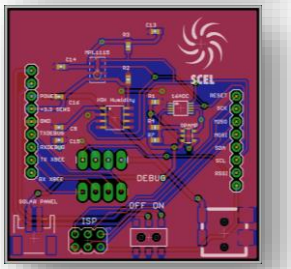
- Complete redesign of the Cranberry Board
- Spring Break – Assemble 5 working boards
- Deploy 2 working boards around campus

SP2016 Updates

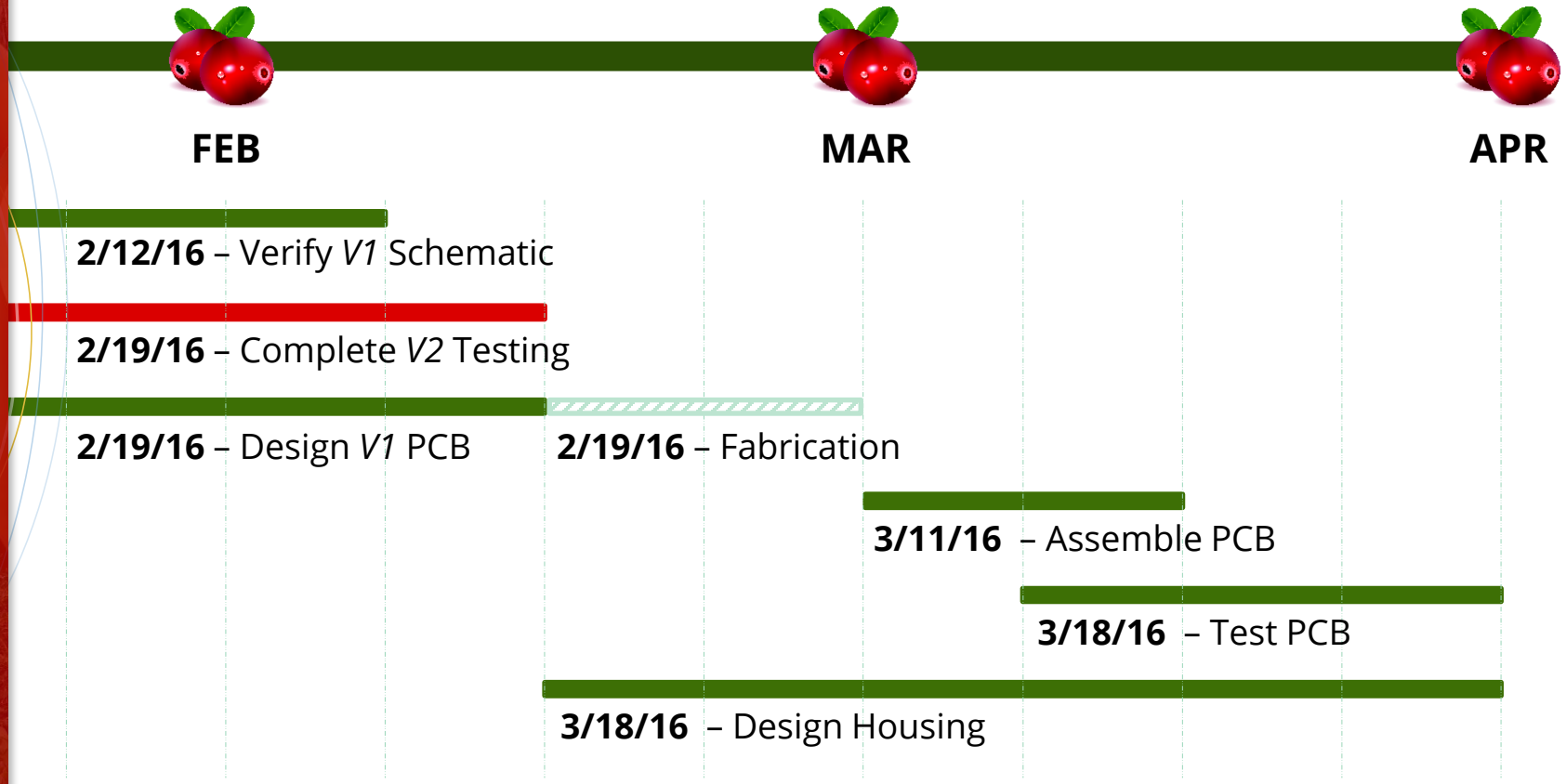
- ✓ Completed EAGLE Part Library Revisions
- ✓ Version #2 Assembled – Awaiting Sensor / Xbee Testing

- Confirmed requested additional features:
  - FTDI Programing Pins and LEDs
  - Battery and Solar Panel Voltage Readings
- Beginning schematic verification
- Beginning PCB board routing





SP2016 Project Schedule



Any Questions?

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