



Dragon Fruit Proposal Presentation

Mentor: TBD
Advisor: Dr. Anthony Kuh



Overview

- Team Introductions
- Project Motivation
- Goals for Semester
- Potential Problems
- Learning Expectations
- Team's Progress
- Gantt Chart



Team Introductions



Kevin Wong
(honorary member)



Kyaw Hein



Tyler Yamauchi

Project Motivation



*To design a weatherbox that maximizes
design quality, power efficiency,
and processing speed*



Goals for Semester

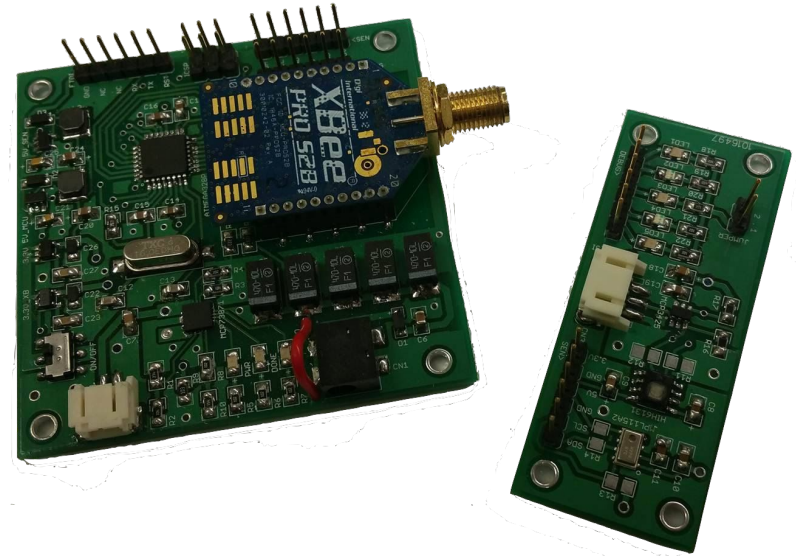
- Debug transmission issues
- Populate new boards (GPS added)
- Board power consumption analysis





Potential Problems

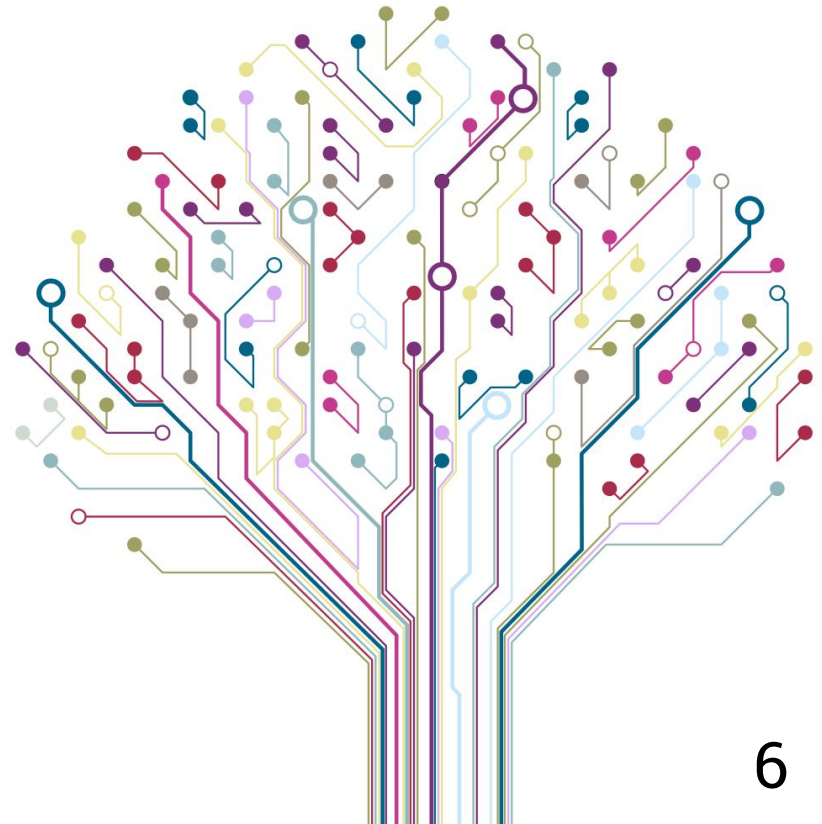
- Transmission
- Charging Chip
- Power consumption analysis





Learning Expectations

- Improve technical skills:
 - EAGLE PCB design
 - Soldering
 - 3D design
 - Circuit analysis
- Communication & Organization
- Debugging experience





Team's Progress

- In-lab sensor and battery checks
- Weatherbox test deployment

**Ohhhh!
Niceeeeeee!**



Gantt Chart



	Project (Gantt Chart)															
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Date	8/28/2017	9/4/2017	9/11/2017	9/18/2017	9/25/2017	10/2/2017	10/9/2017	10/16/2017	10/23/2017	10/30/2017	11/6/2017	11/13/2017	11/20/2017	11/27/2017	12/4/2017	12/11/2017
Presentations																
Proposal																
Preliminary Design (PDR)																
Critical Design (CDR)																
Final Design (FDR)																
Test + New Version																
Test Deployment (Version 2)																
Solder New Board (Version 3)																
Test (Version 3)																
Deployment (Version 3)																
Power Analysis (Version 2+3)																
Housing																
Edit Housing Design (Version 3)																
Report																



Questions?



Image Sources

<http://cryptid-creations.deviantart.com/art/Daily-Paint-1081-Dragon-Fruit-Keeper-570702189>

<http://www.gimmesomeoven.com/wp-content/uploads/2014/03/Jambalaya-13.jpg>

<https://www.linkedin.com/in/george-zhang-b654918b/>

<http://orientautoservice.com/wp-content/uploads/2015/06/mechanic.png>

<https://static1.squarespace.com/static/55bd6bfae4b0c50a1d887185/t/55c7bd50e4b0334a77da1c83/1439153548590/mechanic.png>

