

Proposal Presentation

Team Apple

Mentor: Tryston Fagarang
Advisor: Dr. Anthony Kuh



Kenny-Lee Fujioka

- Junior in EE (EP track)
- Interested in hardware and software



Kyaw Hein

- Team Lead
- Junior in EE (EP Track)
- Interested in Renewable energy, Hardware and circuit designs



Makamae Carpenter

- Junior
- Electrical Engineering: Electrophysics
- Looking for a serious relationship with my PCB board
- Interested in Hardware, Programming, and also Processor Design

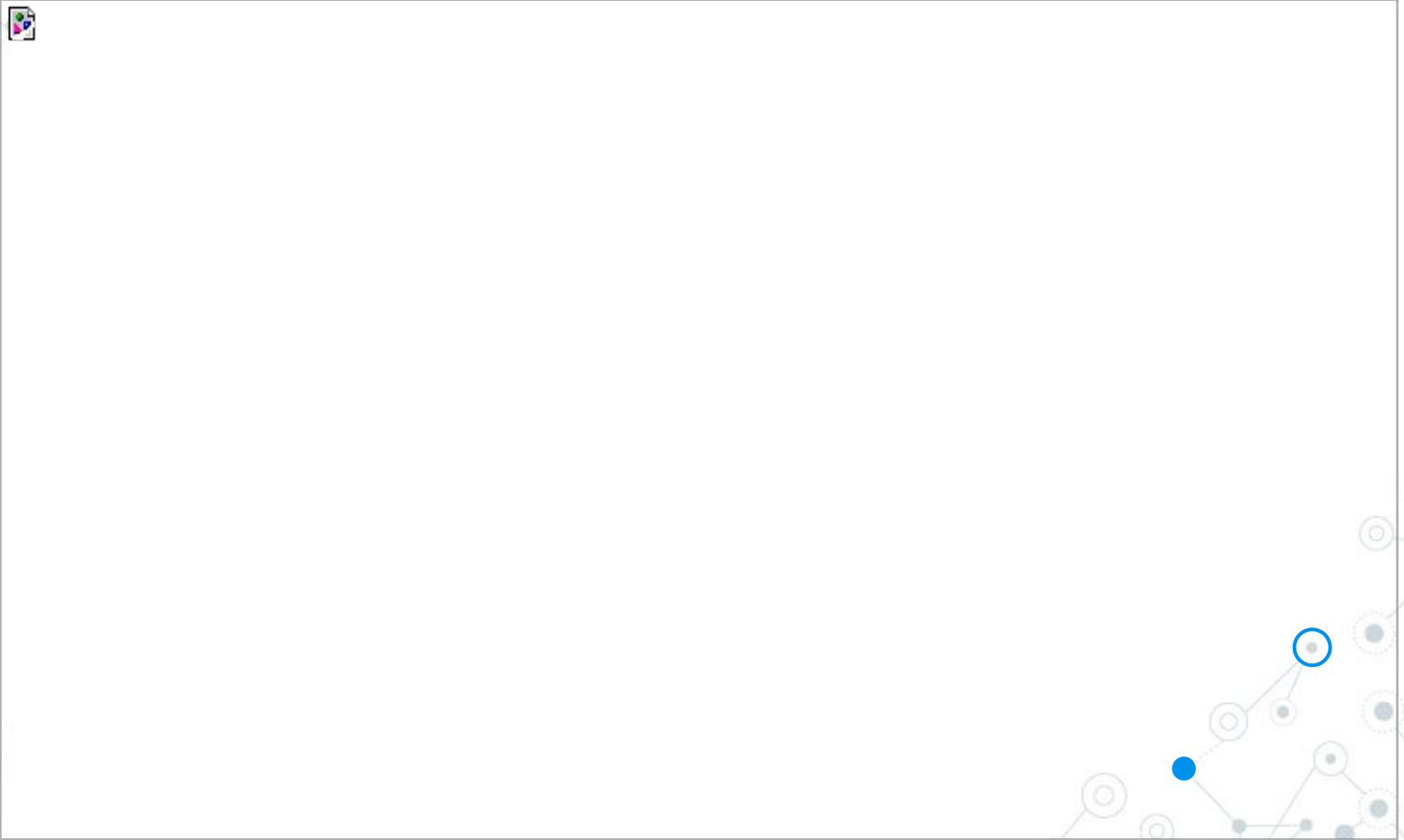


Overview: What is Apple?

- The very first generation of the Weatherbox family
- It collects weather data
- The main purpose of the Weatherbox is to predict solar patterns



Overview: Apple



Goals

- Optimize the latest version of Apple hardware
 - Debug/Understand the Apple board
 - Use previous housing design
 - Complete a working Weatherbox
 - Improve/Redesign a new version of Apple



Approach & Problems

Approach:

- Get current version of Apple board
- Troubleshoot
- Finish and deploy Weatherbox

Problems:

- Short amount of time
- Completely new board (new parts, design)



Learning Expectations

- Eagle
- SolidWorks/Sketchup
- Implementation
- Soldering
- PCB Design
- Working faster
- Everyone's names



Gantt Chart

Team Apple Weatherbox Project																
(Gantt Chart)																
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Date	8/29/2016	9/5/2016	9/12/2016	9/19/2016	9/26/2016	10/3/2016	10/10/2016	10/17/2016	10/24/2016	10/31/2016	11/7/2016	11/14/2016	11/21/2016	11/28/2016	12/5/2016	12/12/2016
Presentations																
Proposal																
PDR																
CDR																
Final																
Apple																
Testing/Debugging																
Housing																
Weatherbox																
Redesign PCB and Housing																
Reports																
Final Report																

Thanksgiving!



Any Questions?

