Group 5

MEETING AGENDA

Meeting Time: 2:30PM	Location: AQ 5029, SFU	Date: 11/07/2019

Meeting called by	Jerry
Kind of Meeting	Proposal assignment + Presentation Prep
Facilitator	Jerry
Note Taker	Jeff
Time Management	Jerry
Attendees:	Keith, Scott, Ryne, Jeffery, Jerry

Topics

Time	Discussion Topic	Presenter	Deadline
	intro		
	Proposal assignment		
	Presentation prep		
	System setup up		

Notes:

MEETING MINUTES

1. Schedule demo/presentation on Aug 2nd
    a. Schedule presentation/demo early morning @ 8:30am
2. Proposal
    a. Competition/Markets - **Keith/Jeff**
    b. Budget/Funding - **Ryne**
    c. Company details - **ALL WEEBS**
        i. Summary - 1 paragraph
    d. DUE: July 21st (Sunday)
3. Using Python script for plotting instead of Rust (**Confirmed**)
    a. Demonstrate console script and Rust webapp
4. OSHPark x12 PCB board shipped on July 9th
5. Parts to order:
    a. Resistors **(Wait for PCB board)**
6. Design (ENSC 440)
    a. Cases
        i. Key Fobs - Design with tolerances
        ii. Beacons - Size doesn't matter
    b. Charging toggle circuit
        i. AC charging or battery charging
        ii. Bypass between charging battery (when full) & charging circuit
    c. RF Harvester circuit
        i. Arrays of capacitors
    d. Battery sizing

Type	Power draw	2000mAh	1000mAh	500mAh
ON (Beacon)	260mA	7.69 hrs	3.85 hrs	1.92 hrs
ON (ID)	100mA	20hrs	10hrs	5hrs
Sleep	1mA	83 days	41.5 days	20.75 days
Deep Sleep (Worst)	100uA	820 days	410 days	205 days
Deep Sleep (Rated)	10uA	45 years	22.5 years	11.25 years

7. Demo Layout (Laptop Perspective)
    a. (0, 3m) - **Nothing**
    b. (0, 0) - **Red**
    c. (3m, 0) - **Blue**
    d. ID tag - **Duct tape**

Conclusion:

Action Items	Person Responsible	Deadline