

Group 5

MEETING AGENDA

Meeting Time: 12:30 PM	Location: LIB 2102, SFU	Date: 24/10/2019
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Meeting called by	Jerry
Kind of Meeting	Assignment and Update meeting
Facilitator	Jerry
Note Taker	Jeff
Time Management	Jerry
Attendees:	Keith, Scott, Ryne, Jeffery, Jerry

Topics

Time	Discussion Topic	Presenter	Deadline
12:30 PM	Assignment 2 Planning	All	
1:30 PM	Project hw/sw Updates	All	

Notes:

MEETING MINUTES

1. Prototype Refinement
 - a. Design Optimization (1.5 pg)
 - i. Hardware
 1. RF broadcasting vs one-to-one
 2. Serial vs Wifi
 3. Portable
 4. Casing
 - ii. Software
 1. Actor Model
 2. Async everywhere
 3. UDP broadcasting vs Multicasting
 - b. Usability/Serviceability (0.5pg total)
 - i. Software Usability - Jeef
 - ii. Hardware Usability - RyAn
2. Project update
 - a. Soldering 7 hours - 1 beacons
 - b. JerJer toughed out 1 more (2/4 beacons & 1/2 tags)
 - c. 3D Printing Beacons & tags
 - i. 3D printing - Surrey (JJ)
 - ii. 1 beacon & 1 tag - 3D Labs
 - iii. 1 tag printing from Gary
 - iv. Buying 3D Printer - Jeff
3. Commands
 - a. 4 commands: start, end, ping, reboot
 - b. Start - start transmission
 - c. End - end transmission
 - d. Ping - Idle(house check), 1 min refresh
 - e. Reboot - sends reboot after 3 pings failed with delay 10s
 - i. UI button reboot
 - ii. Ack + EUI + MAC
 1. Trigger reboot when no 'Ack'
 - iii. 1 responses - 1 UWB + Wifi
 - iv. Update status after failure to reboot

Action Items	Person Responsible	Deadline