

Group 5

MEETING AGENDA

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|------------------------|----------------------------|------------------|
| Meeting Time: 10:30 AM | Location: ASB, SFU Burnaby | Date: 2019/05/23 |
|------------------------|----------------------------|------------------|

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|-------------------|---|
| Meeting called by | Jerry |
| Kind of Meeting | System architect + Requirement Planning |
| Facilitator | Jerry |
| Note Taker | Jeff |
| Time Management | Jeff |
| Attendees: | Keith, Scott, Ryne, Jeffery, Jerry |

Topics

| Time | Discussion Topic | Presenter | Deadline |
|----------|--|-----------|----------|
| 10:50 AM | Catch up / update | All | |
| 11:00 AM | System Architect | All | |
| 11:45 AM | Requirement Planning | All | |
| 12:15 AM | Company Name and Logo Design + Miscellaneous | All | |
| 12:30 AM | End Meeting | All | |
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Notes:

MEETING MINUTES

Presenter: Jeff

Meeting Agenda - (190523)

Attendees:

Agenda (1h20)

1. Intro - (5mins)
 1. DWM wave chips too expensive to use
 1. Need to understand pin alignment diagrams
 2. Prototyping with breadboard
 1. Next weds 10x 2.4Ghz chips arrives
 - 1. Jerry to Bring**
 2. Arduino for prototyping
 - 1. Ryne and Keith to Bring**
 3. (Possible) Use 2.4ghz to do trilateration and triangulation
 4. **Thursday 2:30 PM May 30th meetup** for chip testing Lab 01
2. System Architecture (30min)
 1. Confirmed to use Raspberry Pi for server (Prototype)
 - 1. Jeff to Bring**
 2. Connect Raspberry Pi to the Beacons using serial
 3. Confirmed to use Arduino (Prototype)
 4. Serial communication between hub and server (Prototype)
 5. Others
3. Requirements Discussion (35min)
 1. Background - Tues May 28th
 1. Get some feasibility information (**Scott & Ryne**)
 2. Requirements Report
 1. Gitlab board created with tags
 2. Add requirements onto board
 3. Others
4. LaTeX - (5mins)
5. Company Name/Roles - (5mins)
 1. Possible
 1. Hawkeye Safety
 2. Precision
 3. Reactiv Rescue
 4. Trihard (Tri...)
 2. **Tri-wave (Confirmed)**
6. Outing (5 mins)
7. Last Thoughts - (5mins)

Conclusion:

| Action Items | Person Responsible | Deadline |
|----------------------|--------------------|--------------|
| Bring Arduino | Ryne + Keith | May 30, 2019 |
| Bring Raspberry Pi | Jeff | May 30, 2019 |
| Bring nRF24L01 Chips | Jerry | May 30, 2019 |

Goals at the end of 405W

1. Triangulation & Trilateration of ID tag using HUB

Pi access - remote access