Meeting location: Room 6 EPS

Meeting date: 05/03/21

Meeting time: 3:32pm-4:35pm

Meeting attendee: Kevin Taylor (sponsor), Bill Liu, Laurence Prins, Aryan Srivastava, Tobe Bourke

Utility: Book a desk for a quite place and maps desk usage. Hospital beds tracking system.

Competitors: hemanmiller.com and ArcGIS indoor.

Basic design of the prototype done. (0.7 watts speaker.)

Requirements:

* Feasibility of the prototypes maps the office.
* Map updates once per day possibility midnight. (less power consumption and low ambient noise)
* Mathematical problems (distance calculating, locating, accuracy)
* Software design for the prototype. (robust)
* Signal processing for the project. (best signal to use, Walls, ambient noise, longest distance two prototypes can hear each other)
* Prototype saves information but no communication between prototypes, only prototype host communication.