ENGIN492, Senior Design Weekly Meeting #4

Meeting Minutes

02/17/2021 16:00 – 16:25

CM/TM: Dr. Honggang Zhang
Students: Zhuoming Huang, Alinson Sanquintin

- **Agenda**

  1. Review Last Note
  2. PCB Design
  3. Design Validation
  4. OptiTrack

- **Notes**

  1. PCB
     a. Multi-ranger deck wiki page: https://wiki.bitcraze.io/projects:crazyflie2:expansionboards:multiranger
     b. Multi-ranger schematics: https://wiki.bitcraze.io/_media/projects:crazyflie2:expansionboards:multi-ranger.pdf
     c. Bitcraze Crazyflie template: https://github.com/bitcraze/crazyflie2-exp-template-electronics
     d. The deck that Zhuoming currently has is the final prototype. Check with Deqiang, may have the latest model in the lab.
  2. DVP
     a. 03/25(Th) or 03/30(Tu)
  3. OptiTrack
     a. Quick stare guide: https://v22.wiki.optitrack.com/index.php?title=Quick_Start_Guide:_Getting_Started
     b. Learn the data structure of OptiTrack

- **List of Actions**

  1. Finish the PCB design of the two multi-ranger deck connectors. (Zhuoming)
  2. Ask Prof. Rahaim for the sample data to learn using the OptiTrack Motive software (Zhuoming (02/22, Monday), Alinson(TBD)).
  3. Check the latest model of multi-ranger deck
  4. Update the GitHub page

- **Preliminary Agenda for Next Meeting**
  1. Finished PCB design
  2. OptiTrack data structure