

## ENGIN492, Senior Design Weekly Meeting #5

### Meeting Minutes

02/25/2021 10:00 – 10:50

CM/TM: Dr. Honggang Zhang

Students: Zhuoming Huang, Alinson Sanquintin, Lucas Lomba

- **Agenda**

1. Finished PCB design
2. OptiTrack operation and data structure

- **Notes**

1. PCB
  - a. 3 PCB designs
    - i. top: connecting multi-ranger deck, with single FFC connector facing downward.
    - ii. middle: double FFC connectors for FFC cable (200mm) extension.
    - iii. bottom: connecting Crazyflie or BigQuad deck, with single FFC connector facing upward.
  - b. The deck that Zhuoming currently has is the final prototype. Check with Deqiang, may have the latest model in the lab.
2. OptiTrack
  - a. Motive
    - i. camera calibration
    - ii. masking
    - iii. marker labels
  - b. Data structure

- **List of Actions**

1. Verify the PCB design with Lucas on Friday (2/26), and order the PCBs ASAP (Zhuoming)
2. Request keys of M3-316 (2/25-26) (Zhuoming, Alinson)
3. Complete the list of measurements

- **Preliminary Agenda for Next Meeting**