

Minute 6

Date: 19.05.2021

Present: All

Meeting Purpose:

- Update on progress from each member
- Work on modules together

Progress:

- Plan made for mapping and navigation
- Establish plane that lidar is on and x, y, z with reference to the scan
- Equations (trigonometric) for calculating cartesian coordinates established
- Tested on matlab with random data (lidar not calibrated for effective data yet)

To Do:

- Mapping and guidance: Find gaps and identify gap closest to forwards
 - Establish equations for gaps between points scanned
 - Compare gap angles to 0
- Calibrate Lidar data so that it can be read by mapping and nav
- Sound module matlab

Next Meeting:

- 20.05.2021-> in lab meeting
 - Servo and LiDAR working
 - Sound
 - Continue with mapping and guidance equations