Minute 8

Date: 24.05.2021

Present: All

Meeting Purpose:

- Filtering data
- Serial reading
- Attempt distance from accelerometer readings
- Test sample lidar data with mapping and remove noise
- Adjust results so that mapping can lead to correct guidance

Progress:

- Lidar data tested with mapping and guidance
- Sending actual elevation + expected ground distance in order to filter out ground readings
- Matlab functions for serial reading
- Mapping matlab
- Displacement from accelerometer was found to be too prone to errors due to integration

To Do:

- Filter data further, mapping must identify gap not just between points on the same elevation, but also the whole way up
- Check for obstacles while user is walking
- Bearing done separately to panning
- Panning vs non-panning measurements

Next Meeting:

- 26.05 -> All members, continue working on issues, making sure data is able to be read and used by all modules