5/9/21

New plan

Things done:

- Changing of ideas
- Researching of guides
- Changing and updating of BOM (Changing of lidar to stationary but more greater range up to 40m)
- Removing of drone from plan
- Adding of camera back to the plan
- Adding of servo motors
- Plan an algorithm for the camera and lidar to work together

Current state of project:

- Drone is no longer included in our project due to budget constraint
- Lidar and camera now are vertical aligned with each other and sits on their individual servo motors. However, the angular velocity and initial direction should be calibrated to be the same.
- Lidar is now more powerful and can track up to 40m
- Camera will detect the presence of human, and lidar will obtain an accurate reading of the distance

Problems faced:

- Trying to install ROS, however, my PC have a little problem as they require visual studio code to be installed with a certain configuration. However, I already have visual studio code installed beforehand without their configurations. Unable to reinstall as I need it for my other modules
- As the drone is removed, a new payload delivery might be required, and new enforcement action might be required

Work to be done:

- Install the relevant programmes and softwares (ROS and jetpack SDK)
- Get approval for our projects so that we can get the materials
- Think of new enforcement action
- Think of new payload delivery
- Need to plan out a m ore detailed version of the current algorithm