Group 7 Drone challenge

We will use a drone that will follow a course. We will make a flightpath in the drone’s software. The drone will follow these instructions and will know where it is with the help of sensors. We will make a state machine with MATLAB to accomplish these tasks.

We want to take off to 1 meter. Then move one meter forward till we see something blue on the ground. Move one meter to the right. Move one more meter up. Then turn to the right to get the drone to turn back. The drone will now land on the ground. The sensors of the drone should give a pretty good understanding of the world surrounding the drone. The drone has a hight sensor so we can fly according to the sensors output and position the drone in the air.

This challenge seems to be a good challenge for us to do with the drone.