

Robotics Project Checkpoint 1

So far our team has been working on the milestones revolving around researching drone hardware and practicing using the MuJoCu physics simulator to simulate the drone environment. We have strayed from our initial milestone plan due to labs and midterm studying taking longer than expected so have not been able to start implementation yet.

Because of this, we've updated our milestones to reflect a realistic and achievable timeline for the remainder of the semester. Our new plan is to start focusing our efforts on getting the essential parts of the simulator, sensors, and drone controls working hopefully by 12/6 with a basic quadrotor model, simple world, and project structure by 12/2. Then attempt to get our MPC algorithm set up, and working by 12/8. Finally we will be spending the remaining days until 12/12 testing and tuning the MPC algorithm for real obstacles, and gathering key result data.