

## Weekly Report #10

- 1.) This past week the team has been working hard at all hours of the day to complete our second drone and get it caught up to where our first drone stands. That included soldering the component boards for the second drone and testing out the speed controls and the cube orange. Once all that was done we had to go into Ardupilot mission planner and Qgroundcontrol to link the second drone to its proper controller and make sure all controller operations were working correctly. Luckily the team learned from our mistakes from the first drone and this process was quite smooth with the second drone. At the end of the week, we were able to fly both drones using the controllers to run a hover test.
- 2.) The team anticipates completing and adding all our sensors to the first drone this week and having most of the sensors on the second drone by the end of this week. As well as, making more touches to the website, and adding photos. By the end of the week, we should be able to start programming our drones so that they can communicate with one another while in flight.
- 3.) In the past week, a few of us did have an advisor meeting with our advisor.
- 4.) The website ([http://dasp.mem.odu.edu/~swarm\\_sp23/index.html](http://dasp.mem.odu.edu/~swarm_sp23/index.html))
- 5.) Each team member has spent around 3 hours on the project for about 4 days this week to total around each team member spending 12 hours on our project this week.
- 6.) Timothy Kent

