

- 1) The team has met with their advisor and other faculty members, in this meeting the team picked up hardware and planned for a meeting in the drone lab to understand more about our SWARM project. The team got a better understanding of what is expected of the project, its parameters, and our goals and outcomes.
- 2) We anticipate completing the budget proposal and design for our drone with the help of our advisor, faculty members, and ODU Drone Club.
- 3) In our advisor meeting, we reported to our advisors that we are currently working on the foundational information to start our project. Our advisors gave us information about ArduPilot and the contact information of the communications manager of the ODU Drone Club, where we are able to gather more foundational information concerning the project.
- 4)



ArduPilot
Versatile, Trusted, Open

Home
Copter
Plane
Rover
Sub
Blimp
AntennaTracker
Mission Planner
APM Planner 2
MAVProxy
Companion Computers
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ArduPilot Documentation

Success with ArduPilot requires that the 'First Time Setup' and 'First Flight/Drive and Tuning' sections of the vehicle's documentation be read and followed!

ArduPilot enables the creation and use of trusted, autonomous, unmanned vehicle systems for the peaceful benefit of all. ArduPilot provides a comprehensive suite of tools suitable for almost any vehicle and application. As an open source project, it is constantly evolving based on rapid feedback from a large community of users. The Development Team works with the community and commercial partners to add functionality to ArduPilot that benefits everyone. Although ArduPilot does not manufacture any hardware, ArduPilot firmware works on a wide variety of different hardware to control unmanned vehicles of all types. Coupled with ground control software, unmanned vehicles running ArduPilot can have advanced functionality including real-time communication with operators. ArduPilot has a huge online community dedicated to helping users with questions, problems, and solutions

Copter -- Plane -- Rover -- Sub -- Antenna Tracker

- 5) Each member has spent around 4 hours on this project.
- 6) Natalie Jones & Maggie Atkinson