COMS4045A/COMS7049A - Robotics - S1 - 2024

Lab 1 - Drone takeoff and land

Due: Thursday, 7 March 2024, 11:59 PM

✔ Done

Install the Parrot ARDrone simulator by following the instructions here (make sure you do this inside the singularity terminal):

https://github.com/eborghi10/AR.Drone-ROS

(You can ignore the bits about artags at the end though)

Then, you can look at the specifications for how to make the drone move using the command line here (Section 3.3.2 onwards):

http://wiki.ros.org/tum_simulator

Write python code adapted from talker.py (or not) that would make the ARDrone take off, by sending the same message that would be sent from the command line

Lastly, submit python code that causes the simulated AR Drone to take off, move forward for 3 seconds, then land.

You can work in groups of 2 for this lab. If you do, please make sure the other group member's name is in a comment at the top of the file you submit, and make sure that both group members submit. Note that this lab will form the basis of the next lab, so it is important to get it right.

Submission status

Submission status	Submitted for grading
Grading status	Not graded
Time remaining	Assignment was submitted 2 days 2 hours early
Last modified	Tuesday, 5 March 2024, 9:45 PM
File submissions	lab1.py 5 March 2024, 9:45 PM
Submission comments	Comments (0)

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