

# Dronevis Tasks

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## DONE

task	assigned
init github repo and add contributors	Heakl
basic control for drone	All
video stream from drone	Moayed, Abdallah
Write basic drone classes	Abdallah
basic control and video threads	Abdallah
test control and video threads	Abdallah, moayed
navdata thread	Abdallah
drone control docstrings/type hints	Heakl
video thread docstrings/type hints	Heakl
detection with centernet gluoncv	Heakl
detection with yolo gluoncv	Heakl
detection with ssd (gluoncv/torch)	Heakl
detection with yolov5 torch	Heakl
detection with fasterrcnn torch	Fatma
face detection mediapipe	Abdallah
GUI: custom ui, data and control integration	Heakl
demo GUI	Heakl
CLI	Heakl
CI/CD (test, build, codecov, upload)	Heakl
tests with pytest	Heakl
refactor for docstrings	Heakl
base docs with sphinx compilers	Heakl
docs writing	Heakl
readthedocs ci server	Heakl
examples for user integration	Heakl
pose estimation	Heakl

task	assigned
image segmentation	Heakl
detection and drone integration	Heakl, Moayed
abstract models for code integrity	Heakl
github badges	Heakl
docker and dockerhub ci server	Heakl
non-python files handling	Heakl
package setup configs	Heakl
github releases pipeline	Heakl
huamn tracking	Fatma
huamn counting with CSRNet	Heakl

### To be done (Software)

task	assigned
refactor and test GUI	Heakl
CLI drone integration and testing	Heakl
human tracking testing and integration	Heakl
navdata docs and refactor	Abdallah
huamn counting integration and testing	---
README	---
mock tests for drone and threads	---
one more model huamn counting	---
tox env testing	---
windows and macos testing	---
CLI docs	---
GUI full navdata integration and test	---
how to contribute: docs	---

### To be done (Paper)

task	assigned
Introduction	Moayed

task	assigned
Related Works	Moayed
Abstract	-----
Methods	-----
Library Features	-----
Models comparisons generation	-----
Models comparisons writing	-----
Conclusion	-----
revision	-----