The goal in the project: Given an infra-red mapping of a closed (?) space with a living organism inside, the drone needs to fly towards a human in space. – useful in military applications.

the goals in achieving this:

1) map the space using infra-red photos.

1.1) stay in the same place and take a scan of the room in all directions.

1.2) map the space.

1.3) find the target.

2) fly towards the most human-like object.

2.1) if can fly directly towards the target – do so.

2.2) otherwise search for an exit that will allow passage.

3) iterate until contact (or close enough).

Two things we can do for now:

1) theoretical implementation – ignoring api and assuming we just have the data from the current step, implement the following step.

2) learn how to use the api of the drone and the camera.

For the first few weeks – we’ll - work together, afterwards, we’ll work on separate tasks.

Every Saturday we’ll have a zoom meeting towards the Sunday report.

In this week: we’ve read what you sent, opened a GitHub repo for the project (please send us your username if you’d like us to add you to the repo as a viewer for easier monitoring), wrote down this and two more documents regarding the project (in the GitHub repo).

In the upcoming week: we intend to learn how to use the api.

What help do we need:

1) we’d like to get some info on the available drones & infra-red cameras – including api sources.

2) We’d like to have a meeting where we would make a project design based on the above steps.