

ROBOSUB



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Background

Joint project between a team of Electrical/Mechanical Engineering students and Computer Science students.

Tasked to build a fully autonomous underwater submarine that will compete in an international competition.

The competition is comprised of a sequence of different tasks and obstacles.

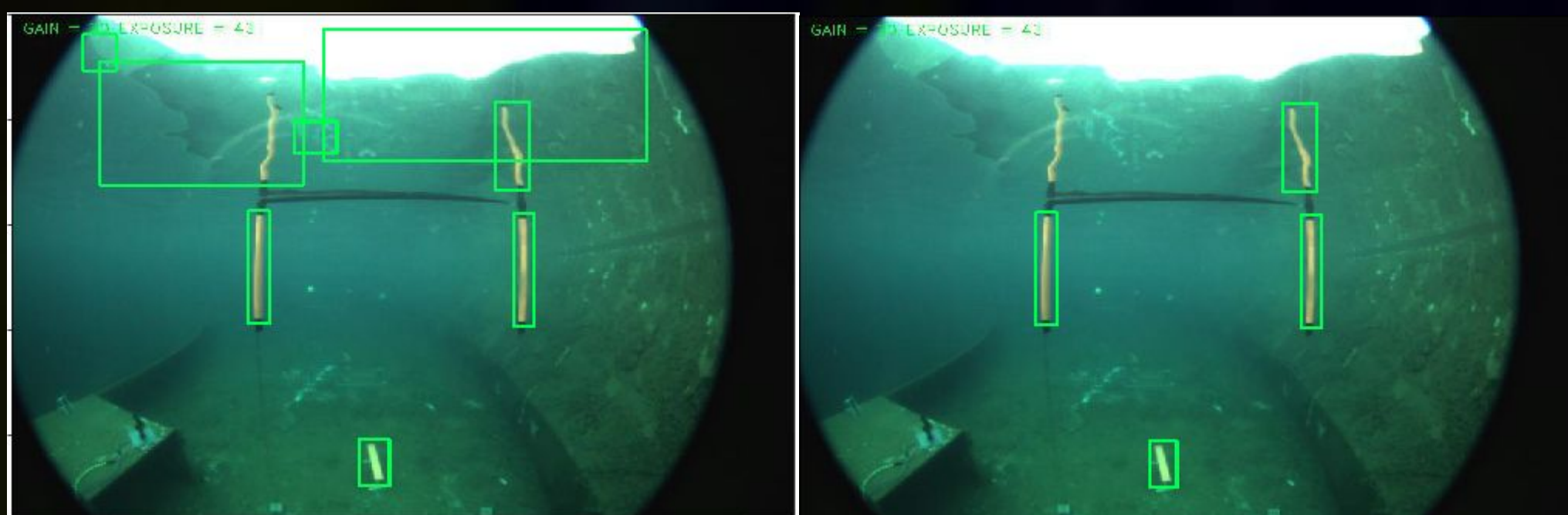
Objectives

Design and implement the software which will pilot the submarine.

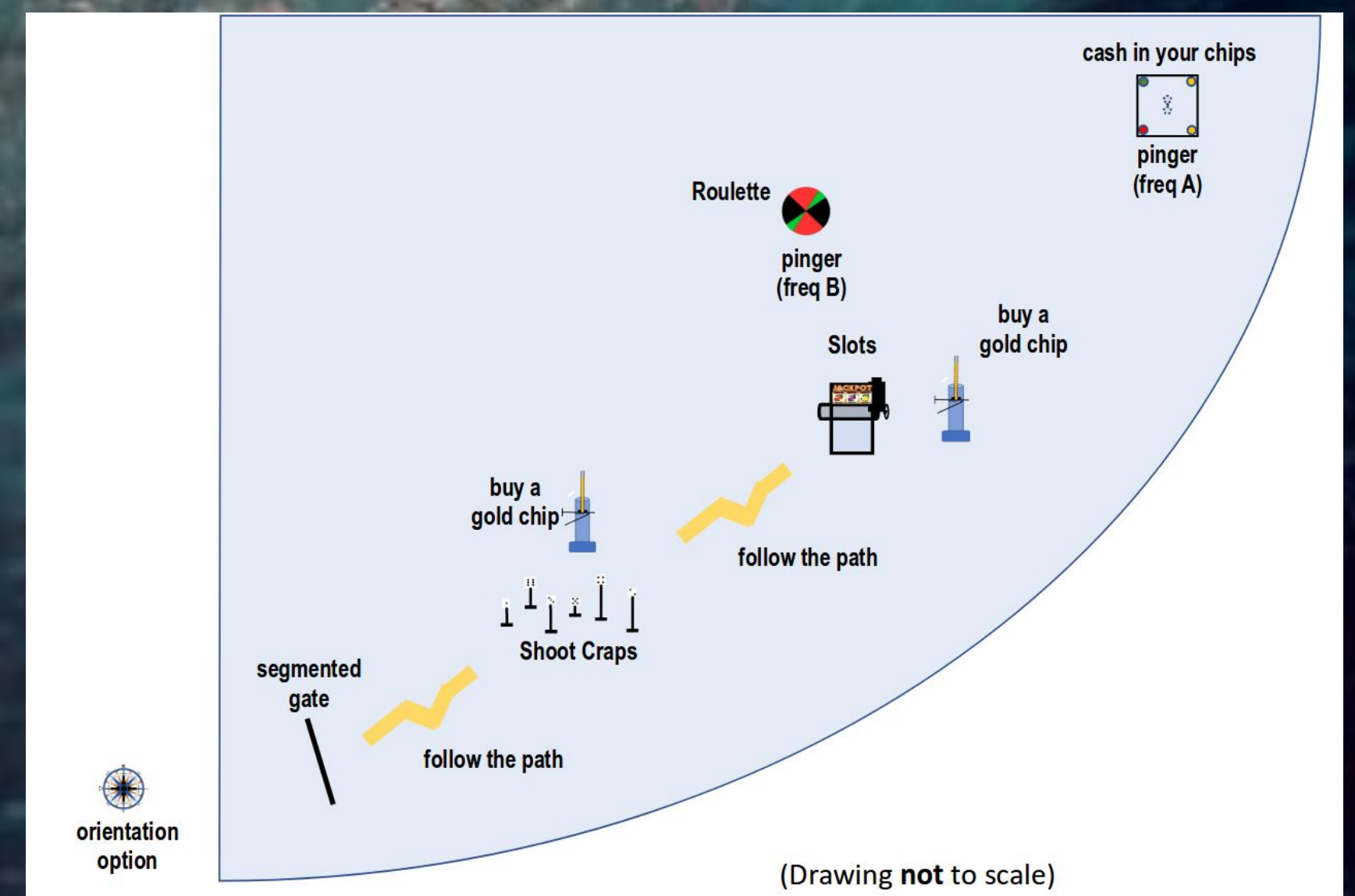
Provide navigation, stabilization, object detection and task handling capabilities to the RoboSub.

Prepare documentation for the use of future teams, and as well as an interface to easily change parameters and task/obstacle prioritization.

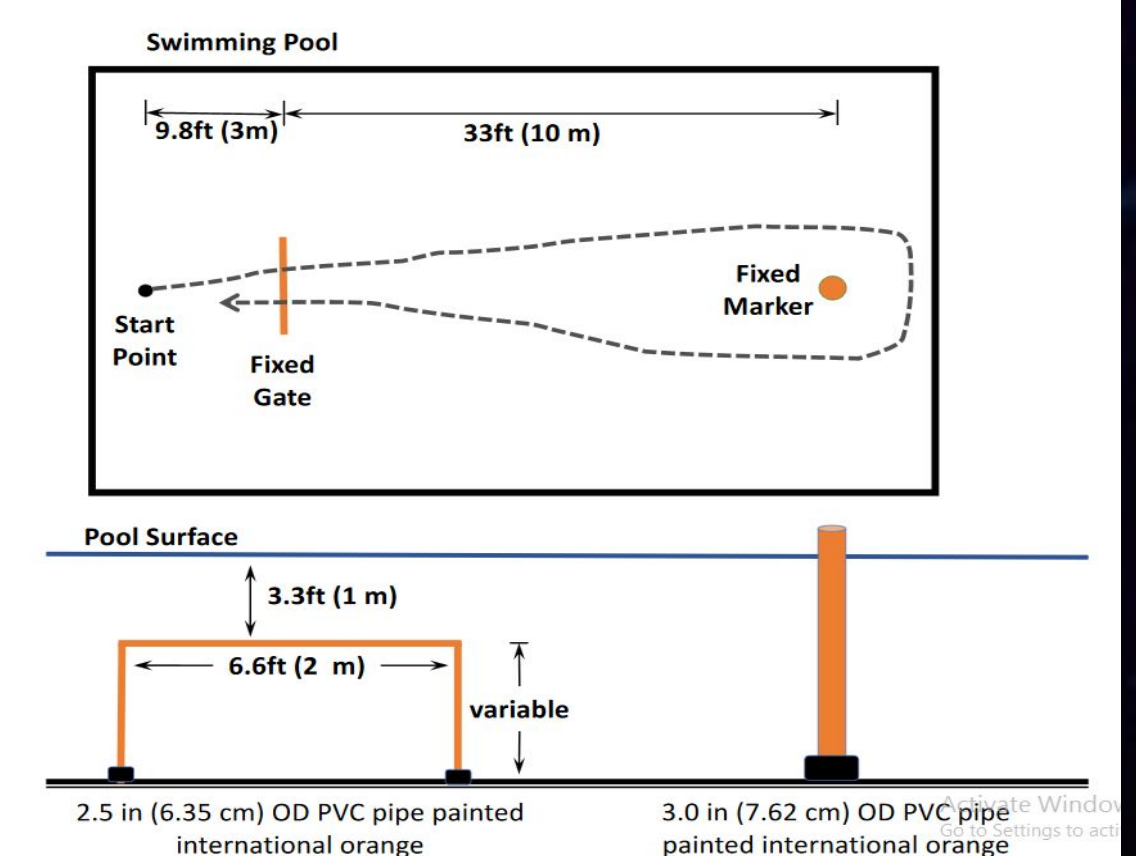
Computer Vision



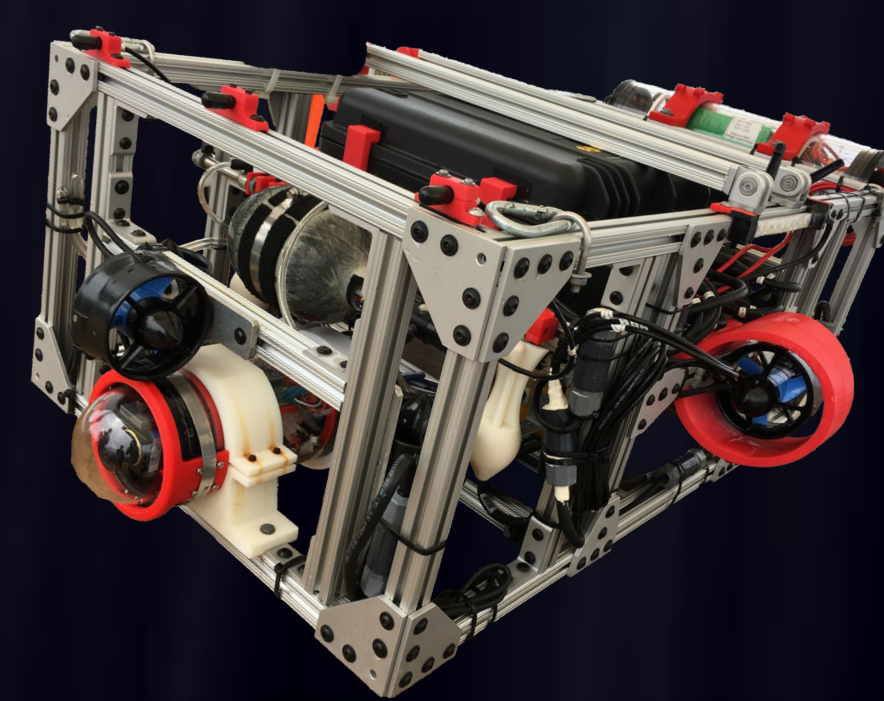
Tasks



Qualifying Maneuver



Eagle 1



Eagle 2



Technologies

