

Major Project outline specification

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February 5, 2014

Project Title: Map building using swarm intelligence

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Degree scheme title and code: AI & Robotics GH76

Module code: CS39440

Version: 0.1

Status: Release

1 Project Description

The goal of my project is to be able to use swarm intelligence to map a target area. Some of the key points of this is:

- networking between nodes(robots)
- finding a good deployment solution for the swarm
- mapping the area (including obstacle avoidance)
- moving the swarm in unison while covering the largest possible area with the sensors