
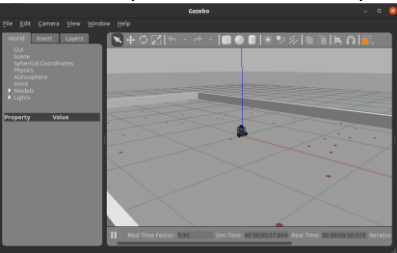


# Progress Report - Group 8

Robotics (E019370A) – A Minesweeping Robot

Week 2: 23/11/2020 – 30/11/2020

Below a small progress update can be found of group 8 concerning the minesweeping robot project of the 'Robotics 2020-2021' course. The left column describes what has been done during the last week, the right column describes what is planned as next steps with the focus on next week.

What has been done?	What is planned for week 3?
<p><b>General</b></p> <ul style="list-style-type: none"> <li>Follow-up on subtasks and integrating them (Together) <ul style="list-style-type: none"> <li>Team meeting on 27/11/2020, 30/11/2020</li> </ul> </li> <li>Writing progress report week 2 (Lauren)</li> <li>Writing report: introduction (not complete) (Lauren)</li> </ul> <p><b>Simulation</b></p> <ul style="list-style-type: none"> <li>Building a test environment with walls and obstacles (Lauren)</li> </ul>  <ul style="list-style-type: none"> <li>Randomly distributing mines in test environment (Lander and Lauren)</li> </ul>  <ul style="list-style-type: none"> <li>ROS-node for interaction with Gazebo (Lander)</li> </ul> <p><b>Robot Algorithms</b></p> <ul style="list-style-type: none"> <li>Testing SLAM for map building (Flor, Henrique)</li> <li>Extending basic controller ROS package (Flor)</li> </ul> <p><b>Evaluating Strategies</b></p> <ul style="list-style-type: none"> <li>/</li> </ul>	<p><b>General</b></p> <ul style="list-style-type: none"> <li>Follow-up on subtasks and integrating them (Together) <ul style="list-style-type: none"> <li>Team meeting on 4/12/2020, 7/12/2020</li> </ul> </li> <li>Writing progress report week 3 (Lauren)</li> <li>Writing report: introduction + reasoning (Lauren)</li> </ul> <p><b>Simulation</b></p> <ul style="list-style-type: none"> <li>Extending test environment for the Turtlebot: smaller area, correct mine sizes, multiple test areas etc. (Lauren)</li> <li>Extending ROS-node for interaction with Gazebo: Deleting, adding and changing elements etc. (Lander)</li> </ul> <p><b>Robot Algorithms</b></p> <ul style="list-style-type: none"> <li>Implementing SLAM for map building (Flor)</li> <li>Extending ROS package with different sweeping strategies (Flor, Henrique)</li> </ul> <p><b>Evaluating Strategies</b></p> <ul style="list-style-type: none"> <li>How to keep track of demined mines? (Lander)</li> </ul>