# GSET - Programming with Mr. Hill

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## Module 1 - Introduction to C++

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- Workshop Structure

- A C++ Legacy

- Programming with Micro Controllers

- Tutorial 1 - Hello World

# Workshop Structure

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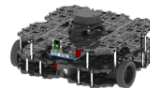# A C++ Legacy
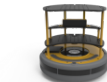
# Programming with Micro Controllers

# Tutorial 1 - Hello World

- **Overview:** Finally, you are going to install the Turtlebot3 simulator in ROS. This is a 3D robot simualator that uses Gazebo.

- **Assignment:** Complete the tutorial in the document *tutorial1 _turtlebot3_simulator.pdf* on ilearn. You must be able to drive your turtlebot3 around the virtual arena.

- **Deliverable:** Write a one to two paragraph summary of what you accomplished and what you struggled with the most. Include an image of the Gazebo window after you have driven the robot around with the keyboard.

- **Next Week:** After completion of Module 5, you are ready to learn about robot navigation. You will learn to use the simulated Turtlebot3 to make a map a navigate in the Gazebo simulator.