Module 5 - Turtlebot Platform

ME4140 - ROS Workshop

Mechanical Engineering
Tennessee Technological University

Module 5 - Turtlebot Platform



Module 5 - Turtlebot Platform

- A Brief History
- Recent Models
- Turtlebot3 at TNTECH
- Tutorial 5 Turtlebot3

A Brief History

A Brief History

Recent Models

Original TurtleBot

(Discontinued)



TurtleBot 2 Family









TurtleBot 3 Family

Burger



Waffle

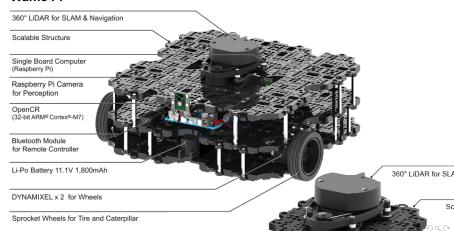
Waffle Pi





Turtlebot3 at TNTECH

Waffle Pi



Tutorial 5 - Turtlebot3

- Overview: Finally, you are going to install the Turtlebot3 simulator in ROS. This is a 3D robot simulator that uses Gazebo.
- ▶ Assignment: Complete the Tutorial 5 Turtlebot3 Simulator 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.