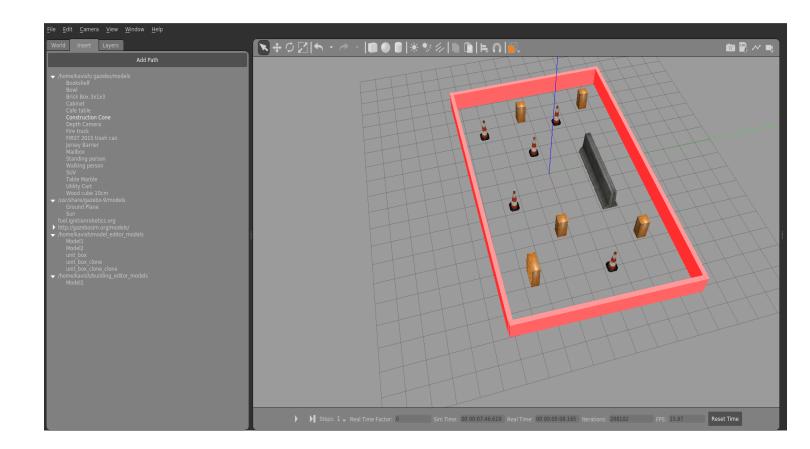
ASSIGNMENT-8

Create the Robot Simulation Environment and Perform Build navigation applications using Turtlebot3 Burger.

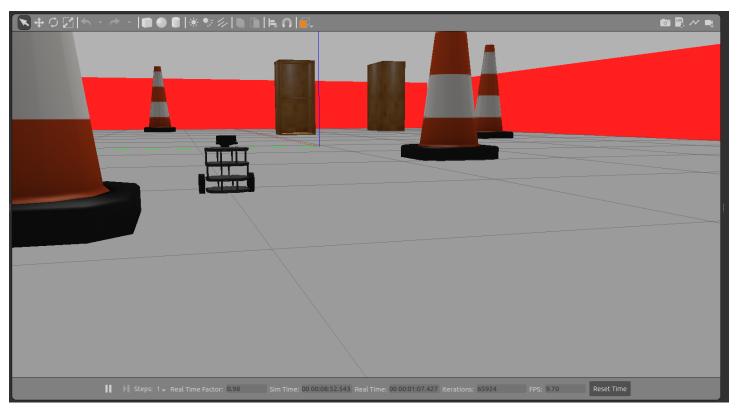
NAME: Kavish Mehta

COLLEGE ID: 18BIS0130

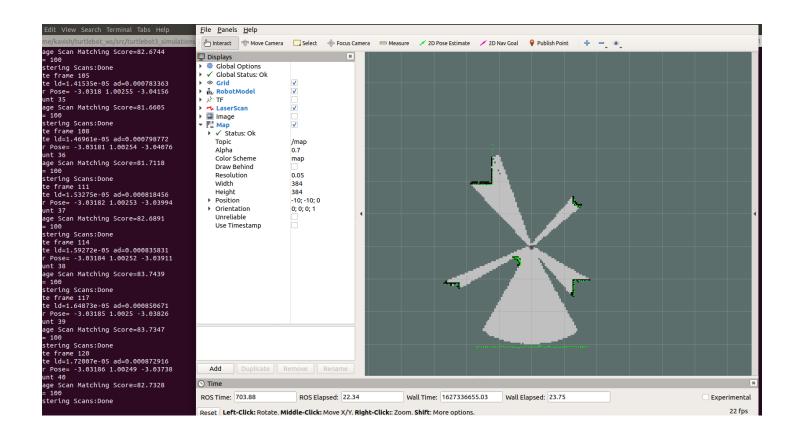
1) Creating a Custom World in Gazebo Simulator



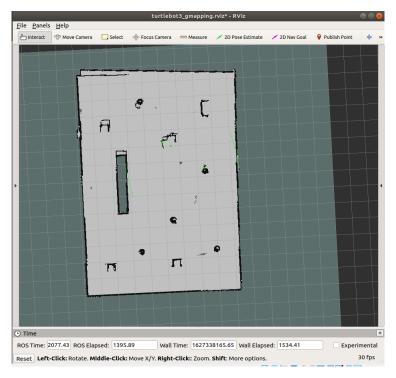
2) Creating a Launch file to launch turtlebot burger in the newly created environment

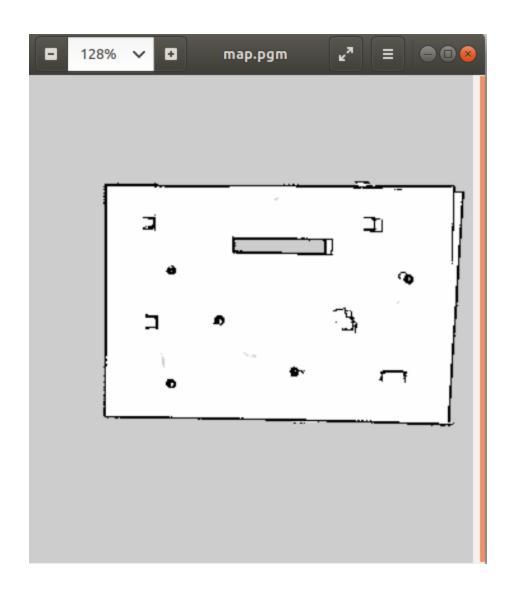


 Running the SLAM node to create a map of the new environment

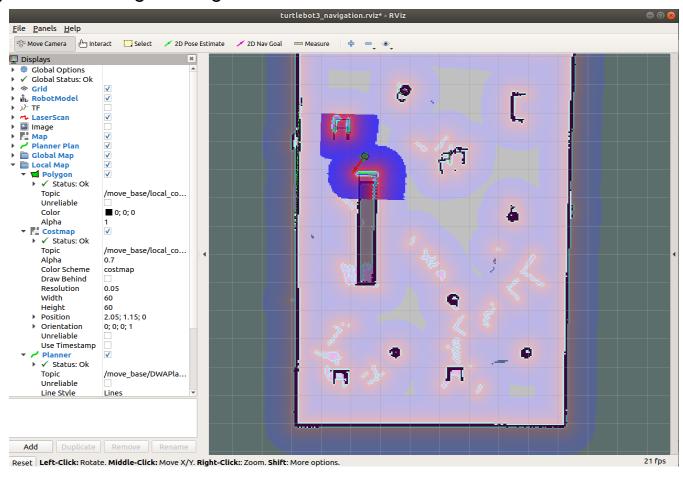


4) Navigating Manually and creating a map using teleop node:





5) Launching Navigation:



6) Setting Goal and robot reaches goal

