TESTING ON GAZEBO SIMULATOR

* INSTALLATION OF GAZEBO ON UBUNTU MATE (18.04): -

$ sudo sh -c 'echo "deb http://packages.osrfoundation.org/gazebo/ubuntu-stable `lsb\_release -cs` main" > /etc/apt/sources.list.d/gazebo-stable.list'

$ cat /etc/apt/sources.list.d/gazebo-stable.list deb http://packages.osrfoundation.org/gazebo/ubuntu-stable xenial main

$ wget http://packages.osrfoundation.org/gazebo.key -O - | sudo apt-key add –

$ sudo apt-get update

$ sudo apt-get install gazebo9

Alternate option is: -

$ curl -sSL http://get.gazebosim.org | sh

To open it: -

$ gazebo

* I have implemented wall following robot with laser scanner sensor: -

Follow this link: - https://github.com/ssscassio/ros-wall-follower-2-wheeled-robot