

## ROS Tools

RViz  $\Rightarrow$  3D visualization tool

roscpp  $\Rightarrow$  Qt based ROS GUI development tool.

roscpp-image-view  $\Rightarrow$  Image display tool

roscpp-graph  $\Rightarrow$  A tool that visualizes the correlation between nodes and message as a graph.

roscpp-plot  $\Rightarrow$  2D data plot tool

roscpp-bag  $\Rightarrow$  GUI based bag data analysis tool.

### ★ RViz

# 3D View  $\Rightarrow$  It is the main screen which allows us to see various data in 3D.

# Display  $\Rightarrow$  For selecting the data that we want to display from various topics.

# Menu  $\Rightarrow$  Save or load configuration settings.

# Views  $\Rightarrow$  Configures the view point of the 3D view.

### ★ ROS GUI Development Tool (roscpp)

$\Rightarrow$  roscpp was developed based on QT, which is a cross-platform framework widely used for GUI programming, making it very convenient for users to freely develop and add plugins.