

## **MEEM 4707: Autonomous system**

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**Lab - 2** 

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## Problem 1

Following are incorrect ROS commands. Rearrange command keywords in the correct order:

- package\_name node\_file.py rosrun rosrun package\_name node\_file.py
- 2. launch\_file.launch roslaunch package\_name roslaunch package\_name launch\_file.launch

## Problem 2

What is the difference between rosrun and roslaunch commands?

Rosrun, a command from the rosbash module, is used for running programs from the shell (BASH). Roslaunch, however, is used to launch one or more ROS nodes.

1. Write the command to run a python node named: "test\_node.py" present in a ROS package named: "test\_package"

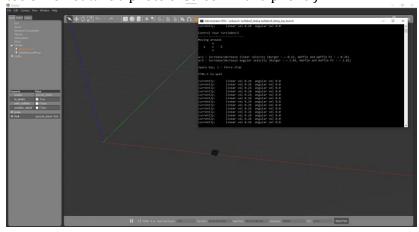
rosrun test\_package test\_node.py

2. Write the command to run a launch file named: "test.launch" present in a ROS package named: "test\_package"

roslaunch test\_package test.launch

## Problem 3

1. Move the robots using teleop command and capture the motion (You may use snipping tools. Do not take a photo of screen with a phone.)



2. Write the maximum speed of the turtlebot.

Note: The robot can be moved by pressing the keys only if the corresponding window terminal running the teleop command is active

Max linear velocity: 0.26