

Lab Assignment : week 1

Due: 21-Jan-2020

1. Create a ROS project titled **week1_{ROLL_NO1}_{ROLL_NO2}**
Example **week1_174230010_183320010**
 - Add three nodes to this project
 - Node 1: Will publish your name strings in the format: *{Name 1}_{Name 2}*
 - Node 2: Will publish your roll numbers in the format: *{Roll 1}_{Roll 2}*
 - Node 3: Will subscribe to the topics created by above two nodes and print a message to screen in the following format:
"Student {NAME 1} has roll : {Roll 1} \n Student {NAME 2} has roll : {Roll 2}"

(the \n character is a line break)
 - Create a **launch file** that starts all these nodes.
 - Run **rqt_graph** to see the **ros-graph**.

Submission format

1. Working ROS project (Just the project, not entire workspace) : **50% Marks**
2. A report document (doc, pdf, txt) with the description of the following: **50% Marks**
 - Name of nodes (and topics created by that node) that you have created, Message type being published/subscribed, Frequency of publish (if publishing node)
 - Ros-graph diagram obtained with **rqt_graph**
 - Pseudo code (in future submissions)

The submission should be a zip file with name in the following format :

sc635_week1_{roll 1}_{roll 2}.zip