

## Objective

The assignment has been designed to develop the understanding and demonstration about the concept of Trace Route command and Basics of Network Topologies in Computer Networks.

## Instructions:

**Please read the following instructions carefully before solving & submitting assignment:**  
**Assignment should be in your own wordings not copied from internet, handouts or books.**  
**It should be clear that your assignment will not get any credit (zero marks) if:**

- **The assignment is submitted after due date.**
- **The submitted assignment does not open or file is corrupt.**
- **The assignment is copied (from other student or copied from handouts or internet).**
- **Student ID is not mentioned in the assignment file or name of file is other than student ID.**

For any query about the assignment, contact at [CS610@vu.edu.pk](mailto:CS610@vu.edu.pk)

**GOOD LUCK**

Q.1. As you know that Traceroute is a network utility program to check the status of specific system on network, you are required to find the route of www.yahoo.com by using traceroute command explain all output provided by traceroute command. [10 Marks]

Q.2. You have been asked to wire a conference room with seven computers for a demonstration after a day. It needs to be done quickly and with lowest possible expenses. What network topology is best suited to this situation and why? Justify your answer with solid reasons? [5 Marks]

## Follow these steps and instructions for question 1.

First make sure that your system is connected to the internet.

Open a Windows start menu then click Run. **Start > Run**. Type **cmd** and click **OK**. If you have Windows 7 or Vista, just go to search option in start menu and enter cmd. The command prompt will be opened. See snapshot 1. After that you can apply traceroute command.

**Snapshot 1 on Next Page for Opening the CMD:**

