**Lab 1 [Basics of Packet Tracer]**

**Outline:**

1. Installation of CISCO Packet Tracer
2. Understand layout of CISCO Packet Tracer
3. Find IP address of a node using ipconfig
4. P2P configuration and communication

**Tasks:**

1. Find the IP address of your system using ipconfig command.
2. Download and install CISCO Packet Tracer.
3. Add 2 PCs and connect them with cross over cable. Assign IP addresses and test the connection using ping command
4. Create a simple LAN using a switch, assign IP addresses to the nodes and test the connection using ping command.
5. Toggle to Simulation mode and analyze the working of ping command. Understand the working of a switch broadcasting technique and dealing with MAC addresses.