NPS LAB EXPERIMENT-4

Construction of Different VLANS and TRUNKING using cisco packet tracer.

Step 1: Open Cisco Packet Tracer and create a new project.

Step 2: Drag two switches and 3 pc's and drop them.

Step 3: Use automatic cables to connect PCs to the switch.

  PC0 to Switch0(FastEthernet0/2)

  PC1 to Switch0 (FastEthernet 0/2)

  PC2 to Switch0 (FastEthernet 0/3)

  PC3 to Switch1 (FastEthernet 0/2)

Switch 1 to Switch2 (FastEthernet 0/1)

Step 4: Click on Switch0, go to the CLI tab.

Step 5: Enter the following commands in cli tab.

Step 6: type en and press enter & type conf t press enter.

Step 7: Type hostname and give name to it.

Step 8: Type int and where it is connected to that fast-ethernet port (f0/2)

Step 9: Type switch mode access and press enter.

Step 10: Type Switch mode access Vlan 1 & press enter.

Step 11: Type Switch mode trunk.

Step 12: Give ip address to each pc.

Step 13: Open command prompt and type ping command and give ip address of other pc's.

Step 14: Use the following commands on the switches to verify the VLAN and trunk setup.

Step 15: show vlan brief.

Step 16: show interfaces trunk.