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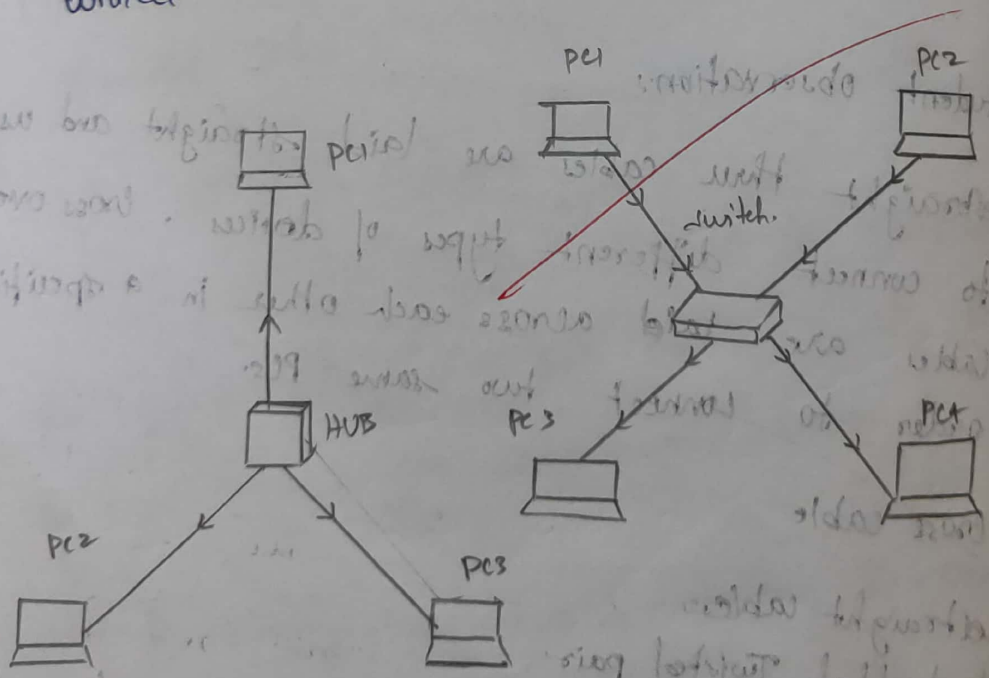
Date : 31-07-24

Aim: To study the Packet tracer tool Installation and User Interface Overview.

Analysing the behaviour of network devices using Cisco Packet tracer simulator.

1. From the network component box, click and drag-up, drop and below the components.
   a. 4 Generic PCs and one HUB.
   b. 4 Generic PCs and one switch.
2. click on connection. connect PCs to HUB and connect PCs to switch.



3). Click on PCs connected to hub and click on IP configuration enter IP address and subnet mask. Default gateway and DNS server not needed.

PC0

IP configuration :

○ DHCP ⊙ static

IP addr : 10.1.1.1

Subnet Mask : 255.0.0.0

Default gateway :

DNS server :

PC1

IP configuration.

○ DHCP ⊙ static

IP addr : 10.1.1.2

Subnet mask : 255.0.0.0

Default gateway :

DNS server :

4. Observe the flow of PDU from source to PC to destination to PC by selecting Realtime mode of simulation.

5. Repeat step # 3 to step # 5 PCs to switch.

6. Observe the HUB and switch are forwarding PDU.

Student observation:

a). HUB: Broadcast. Every system that is connected to HUB can avail to the Data shared.

b. Network topology implement in my college is mesh topology.

Result:-

Thus the Packet tracer tool and its user Interface is implemented and observed.

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