Ex: No: 3 (lico Packet tracer.

Date: 27.8.24

Ain:

To study the packet tracer tool installation and User interface overview.

Analyse the behaviour of retwork using USLO PACKET TRACER. Simulator.

I. From the network components box, click and drag and droop the below components:

a. It Grenezie PCs and one HUB

b. 4 Generic PCs and one switch.

2. Click on Connections

a. Click on Copper - through cable
b. Select one of the PC and connect it to
HUB using the cable. The Link LED should
glow in govern, indicating that link is up.
C. Comittee of the cable of the Link is up.

c. Similarly connect of Pcs to the switch using copper-through cable

3. Click on the PCs connected to hub, go to the dekstop tab, click on IP configurations and enter the IP address and subnet Mask. Hene, the default gateway and DNS securer information is not needed.

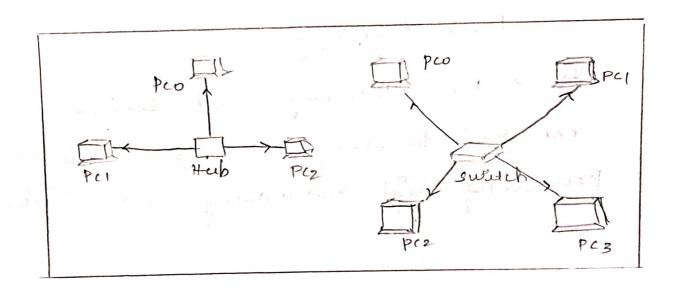
Click on the PDU (Message won) from the Common tool bar.

a. Dorag and doop "it on one of the and then doop it on another PC connected to the HUB.

4. Observe the flow of PDU from source Pl to destination PC by selecting the realtime mode

5. Repeat step #3 to step #5 for the Pcs Connected to the switch.

6. Observe how HUB and switch are forwarder. The PDU



PCO	PC)
IP Konfiguration IP Configuration O DHCP (Stalic	IP configuration
IP Address [10.1.1.1] Subnet reach [255.0.0.0]	IP Address [10.1.1.2] subnet mark 250.0.00
DNS seaver	DNS cerves

Student observation:

A. From your observation write down the behaviour of switch and Hors in terms of the packets received by them from arding the packets received by them switch: forwards packets only to the specific pords

Hub: Broadcasts packets to all the connected devices.

b. Find out the network topology in your college.

Mesh topology.

In a Mesh topology each devices is connected to energy other device in the neturn providing high redundancy and reliability.

Result:

The experiment was successfully executed and the OIP is Cheryled.