Date: 30/07/2024

Experiments on CISCO PACKET TRACER (Simulation too):

Aim:

and User Interface overview

Steps:

1/8 From the network component box, dick and dray-and

a. 4 honoris PCs and one HUB b. 4 honoris PCs and one switch

2, click on connections:

a. Click on Copper Storaight-through cable, b. Select one of the PC and connect it to HUB using the cable, the link LED should glow in green, indicating that the 11 nk if up. Similarly Connect remaining 3 PCs to the MVB.

c. Similarly connect 4 Ks to the switch whing

coffer straight-through cable.

3, Click on the PCs connected to hub, go to the Desktop tab, click on IP configuration, and enter an IP address and Subject math. Here, the default gate way and DNS service information if not needed of those are only two endders in the network.

as wag and drop it on one of PC (Source machine) and then drop it on another PC (destination machine) connected to the HVB.

4, Observe the flow of PDV from source R to destination.

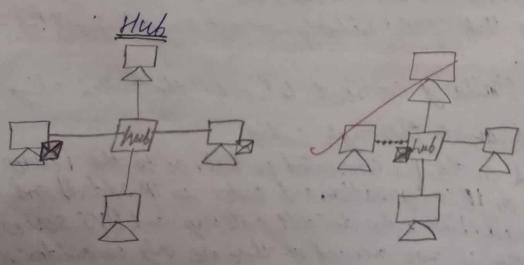
5/ Repeat step #3 to step #5 for the Rs connected to the switch.

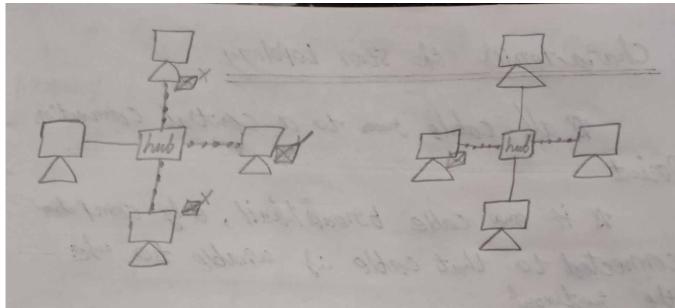
POV and write your observation and conclusion about the behaviors of switch and HVB.

Student observation:

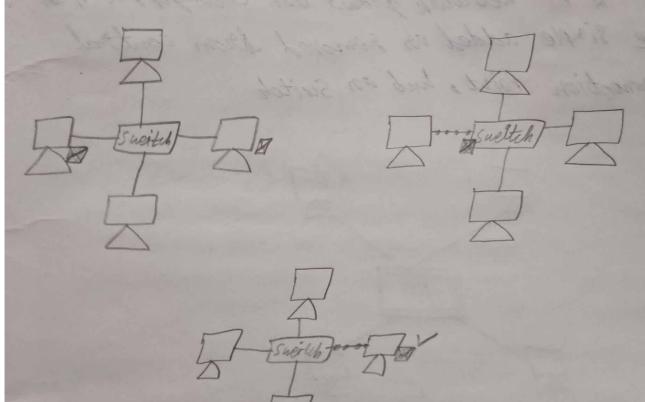
a, srom your observation write down the behavior of switch and HUB in terms of forwarding the packets succeived by them.

6/8 ind out the network topology implemented in your college and draw and label that topology in your observation book.





Sueitch



- Network topology implemented in your cottege

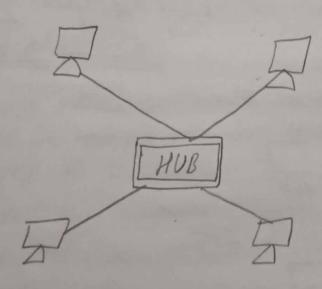
Topology implemented in one college is Star topology & hybrid topology

Characterics of star topology

Point Dall cable oun to a contral connection

A if one calle break thail, only computer connected to that cable if whatle to use the network

are simple added on removed drom contral competion Point, hub on Switch



Characteristics of hybrid topology

Bybrid topology is combination of more
than one topology

bybrid makes we of standard such of

wifi & ethomet

I he hybrid topology has dibborent brances & cach at its unique design Kelult: That sucellarly studied the reachet tracer tool and analyted the behaviory of network