dim:

To study the Rucket tracer tool Installation and User Interface make as well just over shortest distances Overview.

chalyse the behaviour of network devices using cisco packet tracer simulator.

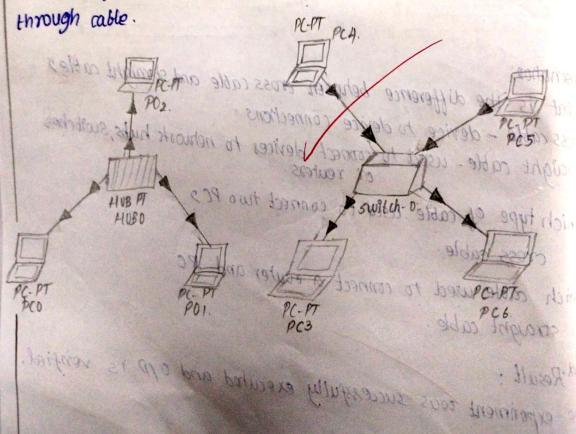
I from the network component box, click and drag and drop the below "Hoal two plug shelds. components:

Q A Greneric PCS and One HUB b A Generic PCs and Oneswitch.

2 Click on Connections:

Oscick on Copper straight - Through cable Delect one of the PC and connect 9t to HUB using the cable. The Link SED should glow in green indicating that link is up, Similarly cornect remaining 3 Pls to the HuB.

o similarly connect 4 PCs to the switch using copper straight



3. Cuck on the PCs connected to hub, go to the Desktop lab, click on IP configuration and enter an IP address and subject much. Here the default gateway and DNS server information is not needed as those are only two end devices into the network.

cuck on the PDU (message icon) from the common tool bar, a Drag and drop it on one of PC and drop it on another PC.

- 4. Observe the flow of PDU from source to destination.
- 5. Repeat stop#3 to shop #5.
- 6. Observe how HUB and switch are forwarding.

PCO IP configuration IP configuration ODHCP O Static SP Add noss 10.1.1.1 Subnet Nask 255.0.0.0 Default Granoway DIUS SOMEY

Observation:

a) from your observation write down the behaviour of switch and HOB in teams of forwarding the packets.

switch: forwards packets only to the specific ports.

Flub: Broadcust packets to all the connected devices.

b) Find out the network ropology in your college.

Mesh topology

In a mesh, each derices is connected to energy other derice in the network parviding high redundancy and reliability.

Result:

The experiment was successfully executed and the O/P is resified