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Sec -> C
Course -> MCA
Subject > Computer Networks

O17 Problem Statement & There is an organisation A with Multiple departments

Design a network for HR department & the rize of department is 10 wers also to show the (ommunication of user 1 and user 5 of the network.

objective + To design a network blun on switch and 10. Pls and show

The communication between PC12 PC5.

Description + LAN: LAN is a local area network
that interconnect (omputers

organisation, school, Lab, university campus or office building.

Step1-Network Derign

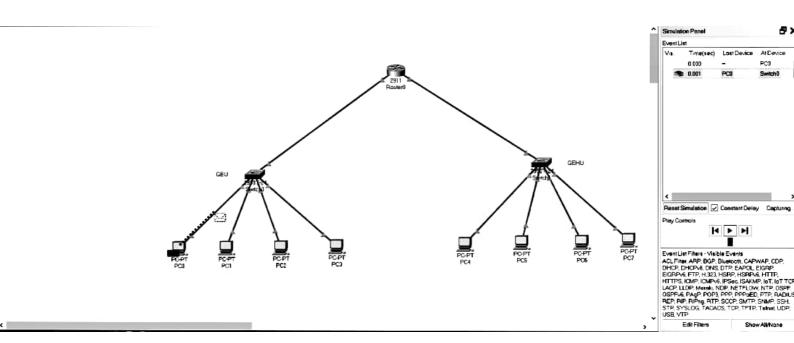
Steps > IP configuration
Setting the IP address for PC's.

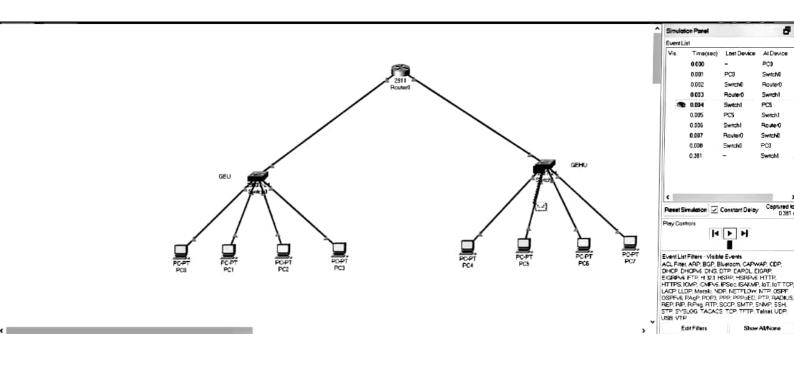
step 3 > Connectivity.

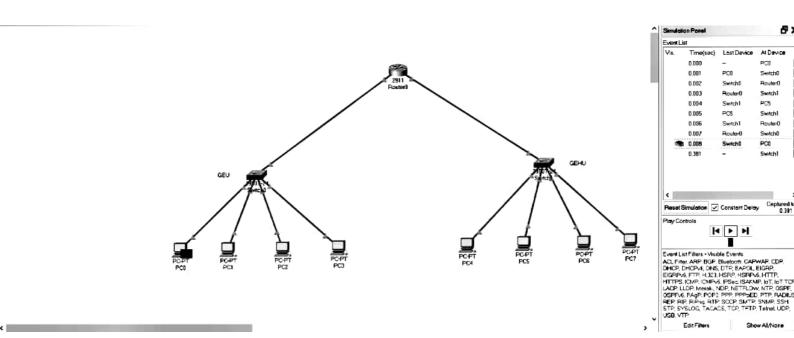
wing the ling Command to check

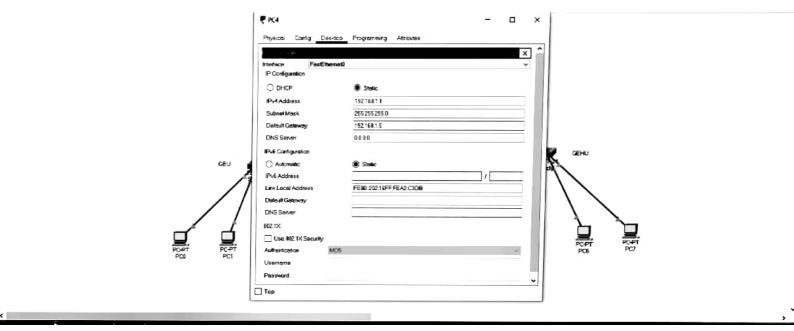
the Connectivity.

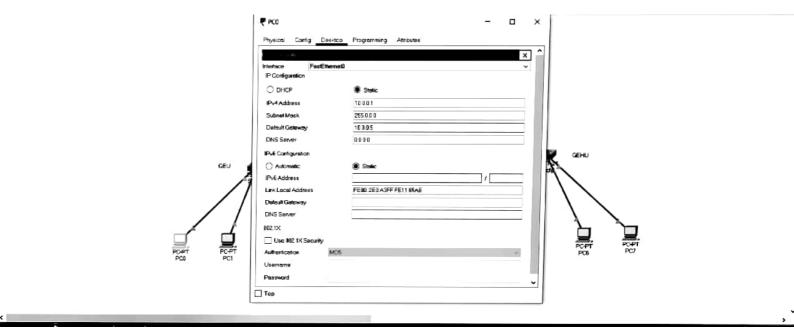
Sof

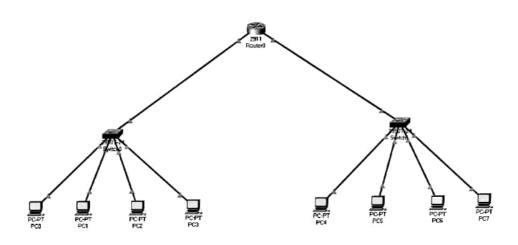












in (1500 Packet Tracer that will connect 2 wer of different departments and connection will be Established.

Steps to Perform

- (a) use will place notes first:
 2 organisation named GFU and GFHU

 · SOC Departments

 · user 1 & user 2
- (b) use will place 2 grouters and 2 Suitches.
 Routes 0, Routes 1
 Switch 0, Switch 1
- (c) Connect both neutro with serial DTE wire
- (d) connect switch & routers with normal wire.

- (e) Arrigh IP address to all 4 systems in both depart ments.

 IP of GEV Wer1: 192.168.10.2

 TP of GEN Wer2: 192.168.20.3
 - (1) Now again there are 2 ways to verify communication ywn 2 users
 - The user 2.
 - (g) we can see now user 1 & users Connected.

 we are able to Communicate blun them

 via Various Method.