Name - Prateek Singh Bisht
Class - MCA
Sec - B
rollNo - 20711091
Subject - Computer Network

Problem Statement 02 :- Design a Network of ~~Create~~ two organization in a city named GEU and GEHU.

objective - To show the communication between user number 1 of GEU and User number 2 of GEHU.

description - Steps for network creation :-

Step 1 :- Create LAN-1 with 4PC and Create LAN2 with 4PCs

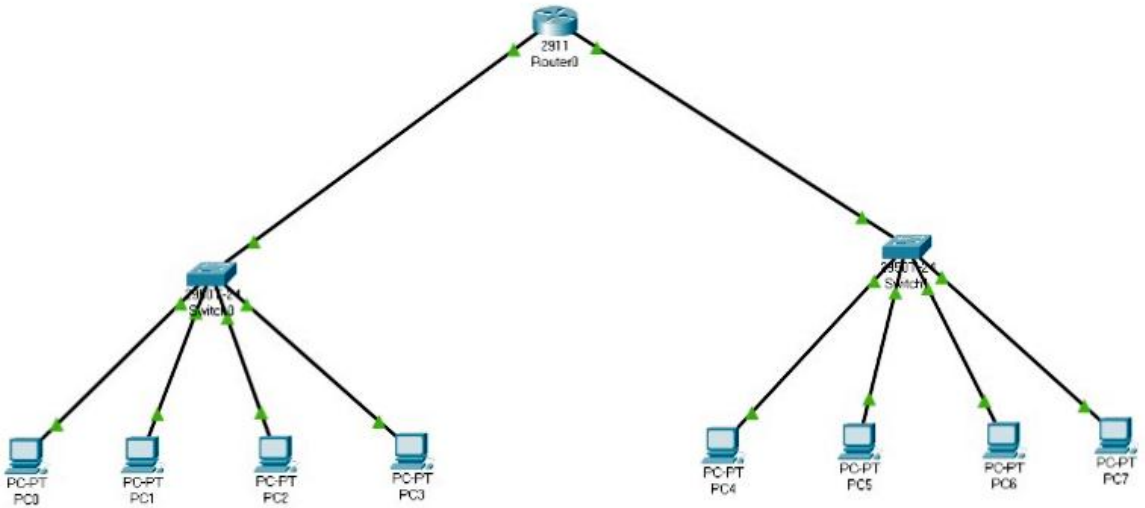
Step 2 :- Connect both LAN with router and configure the router

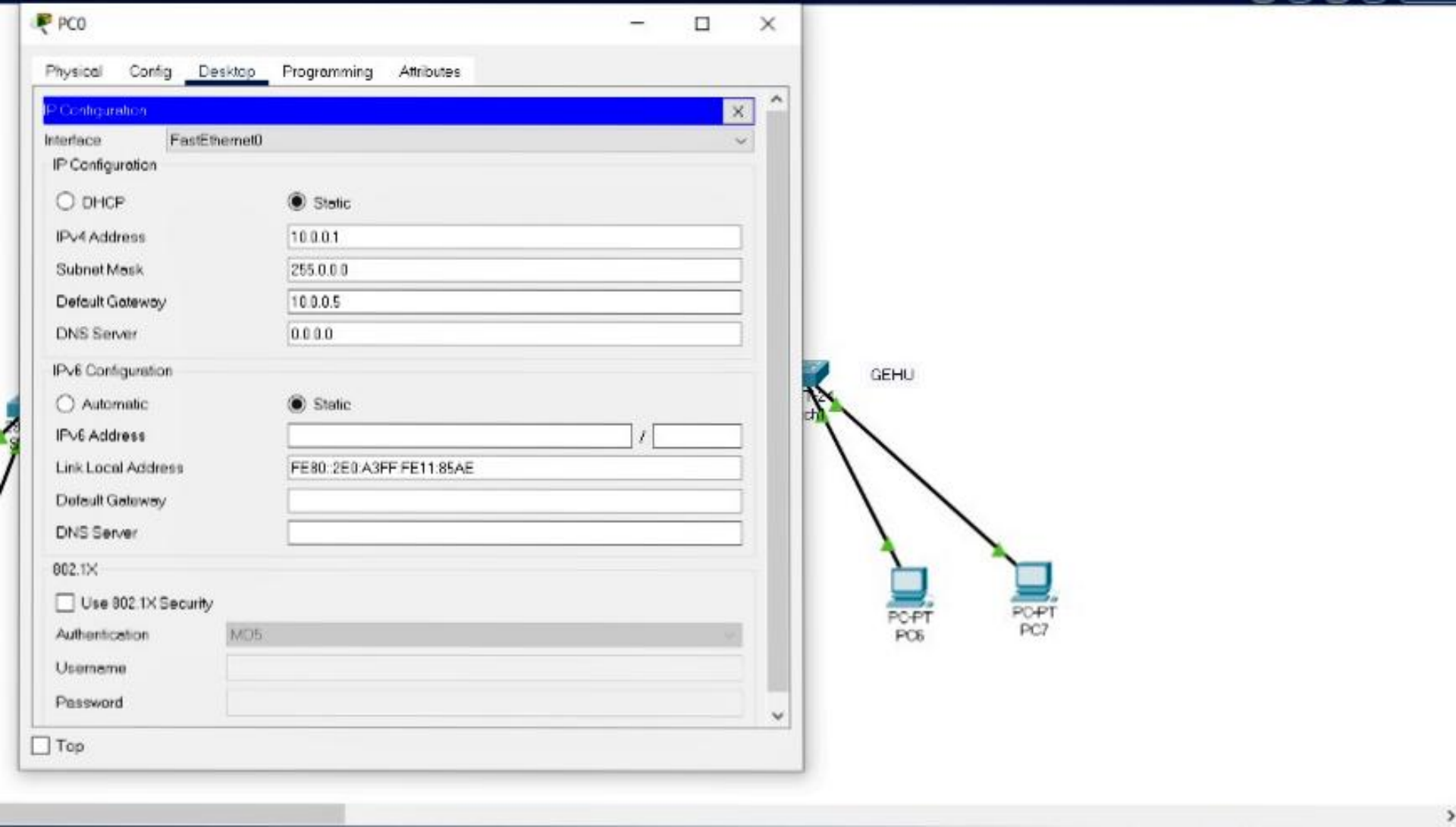
Step 3 :- Default Gateway for LAN-1 is 10.0.0.5

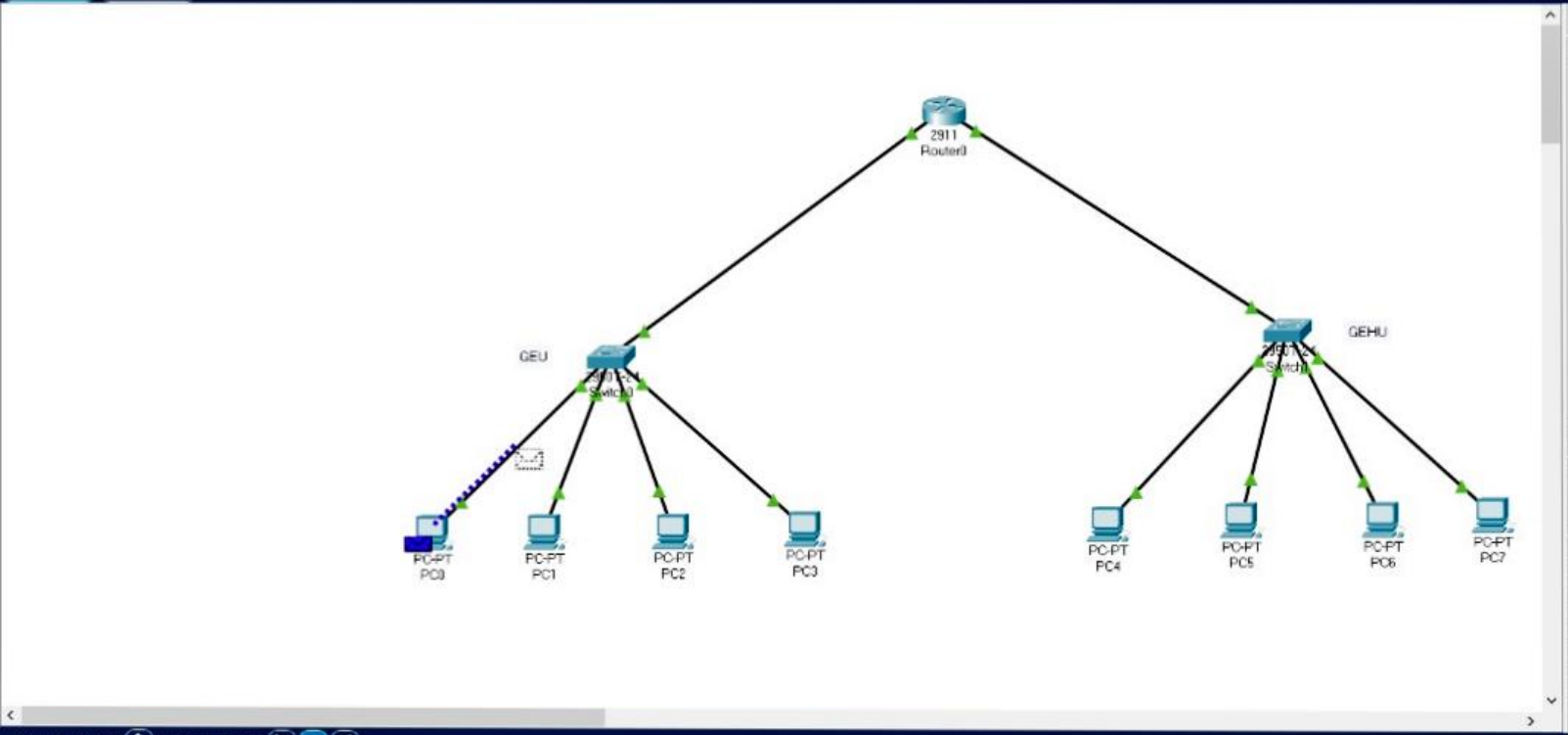
Default Gateway for LAN-2 is 192.168.1.5

Step 4 :- Sending PDU to see if connection is established.

NOVA PUBLICATIONS


2911
Router0
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7


PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
10.0.0.1
Subnet Mask
255.0.0.0
Default Gateway
10.0.0.5
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::2E0:A3FF:FE11:85AE
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top
GEHU
PC-PT
PC6
PC-PT
PC7



Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device
	0.000	–	PC0
	0.001	PC0	Switch0

Reset Simulation | Constant Delay | Capturing

Play Controls

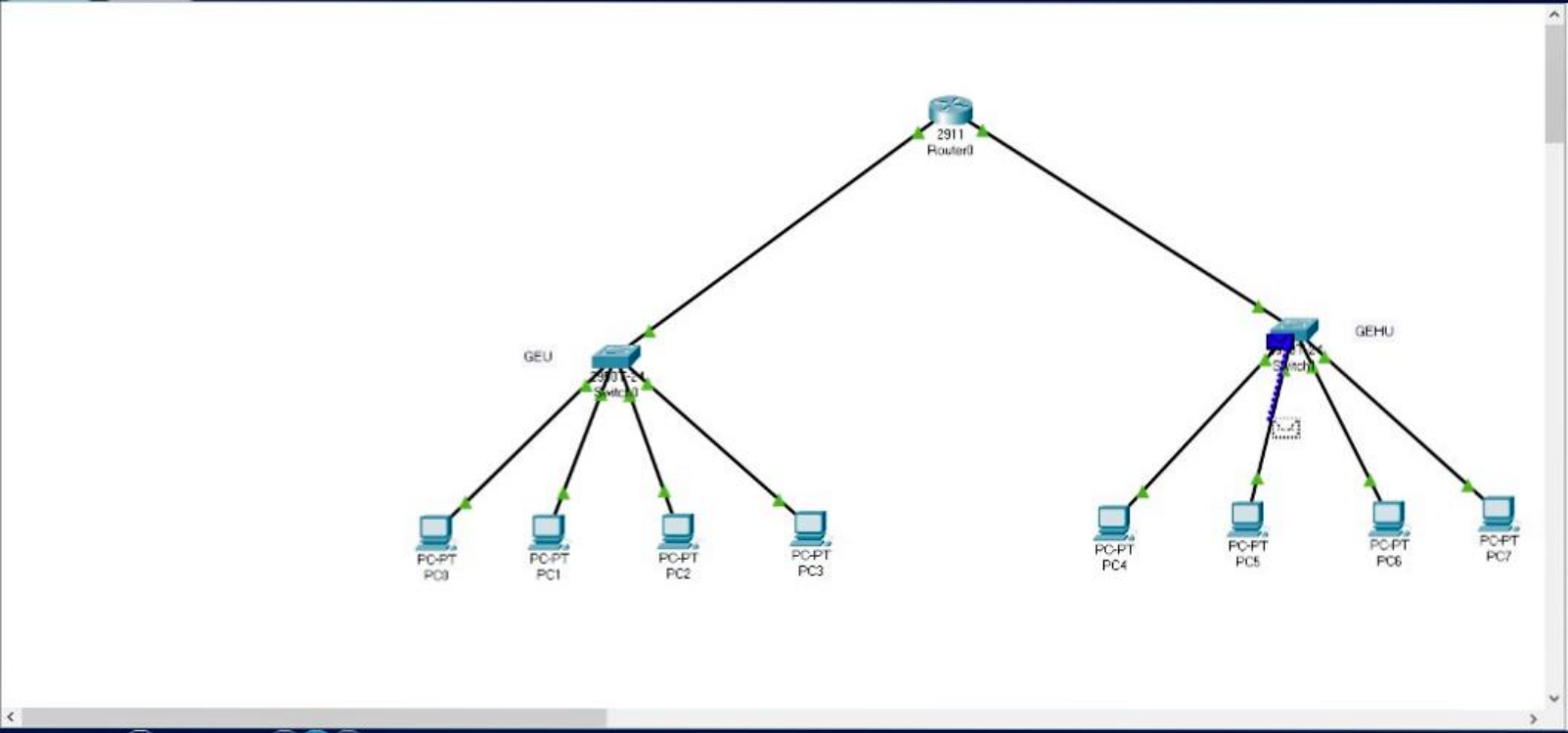
Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters | Show All/None

Time: 00:17:45.535 PLAY CONTROLS

Event List | Realtime | Simulation



Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device
	0.000	–	PC0
	0.001	PC0	Switch0
	0.002	Switch0	Router0
	0.003	Router0	Switch1
	0.004	Switch1	PC5
	0.005	PC5	Switch1
	0.006	Switch1	Router0
	0.007	Router0	Switch0
	0.008	Switch0	PC0
	0.381	–	Switch1

Reset Simulation | Constant Delay | Captured t
0.381

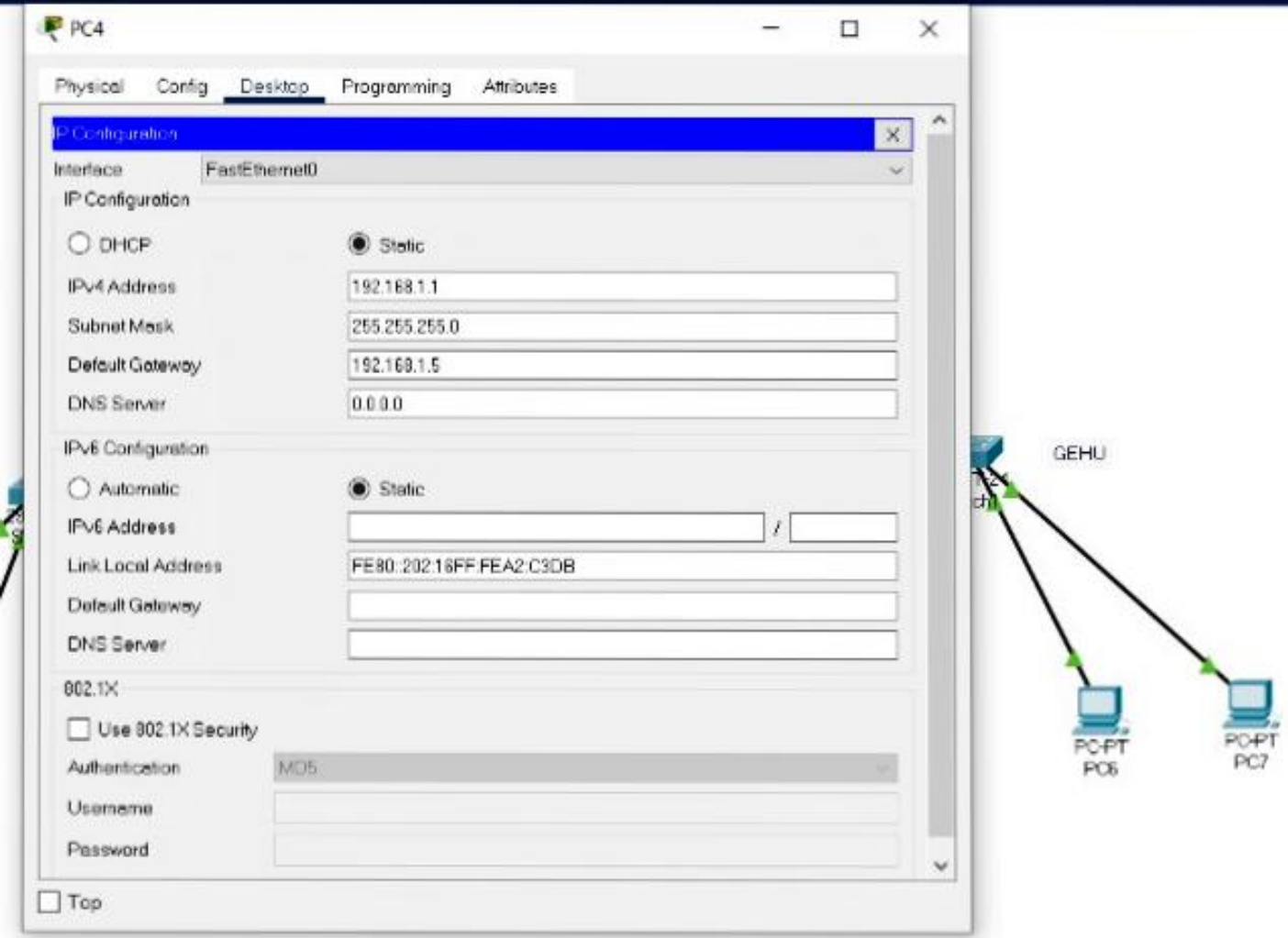
Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TC LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIU REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters | Show All/None

Time: 00:17:46.016 PLAY CONTROLS: Event List | Realtime | Simulatio


PC4
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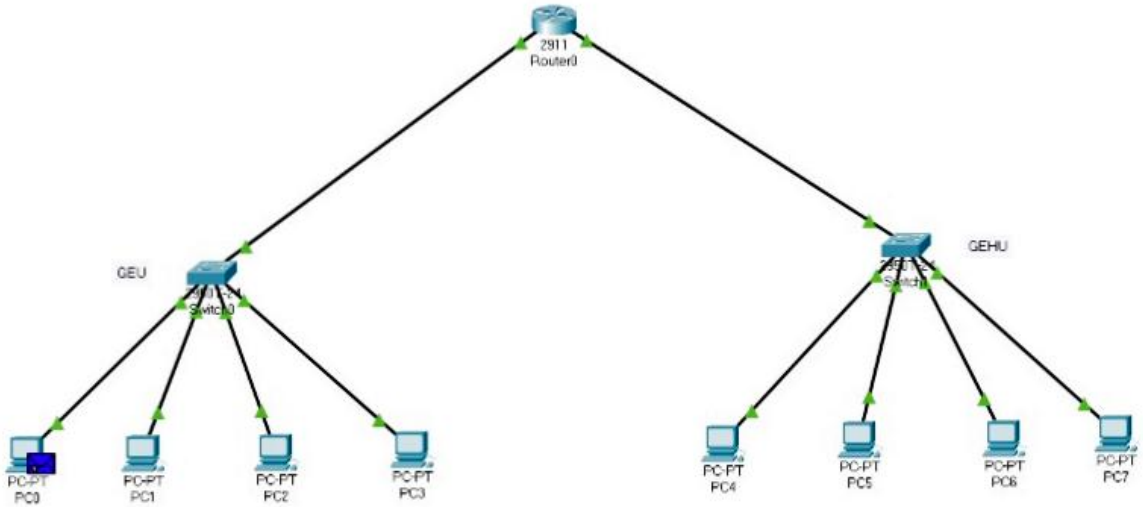
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.1
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.5
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::202:16FF:FEA2:C3DB
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

GEHU
PC-PT
PC6
PC-PT
PC7



Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device
	0.000	–	PC0
	0.001	PC0	Switch0
	0.002	Switch0	Router0
	0.003	Router0	Switch1
	0.004	Switch1	PC5
	0.005	PC5	Switch1
	0.006	Switch1	Router0
	0.007	Router0	Switch0
	0.008	Switch0	PC0
	0.381	–	Switch1

Reset Simulation | Constant Delay | Captured 0.38

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TC LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIU REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters | Show All/None

Time: 00:17:46.016 PLAY CONTROLS

Event List | Realtime | Simulati