Department of Computer Engineering
Class: S.Y. B.Tech. Semester: IV
Course Code: DJ19CEL405 Course Name: Computer Networks Lab

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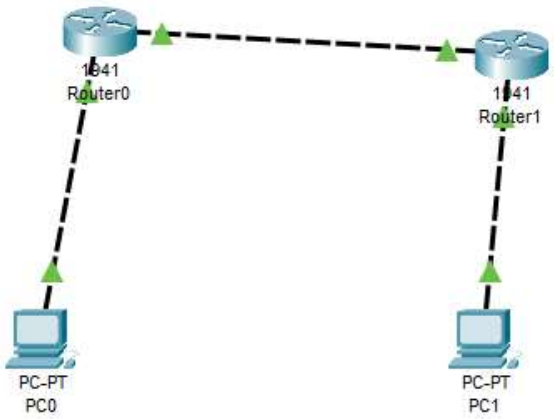
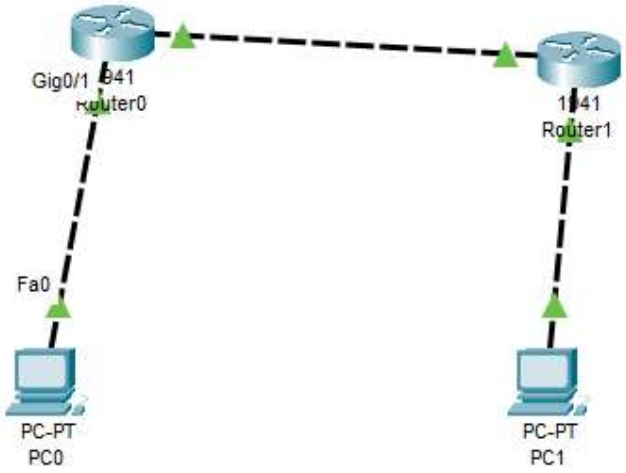
Date of Performance:10-10-24	Date of Submission:16-10-24

Experiment No: 7

Aim: To implement RIP Configuration and Simulation using Packet Tracer.

Theory:





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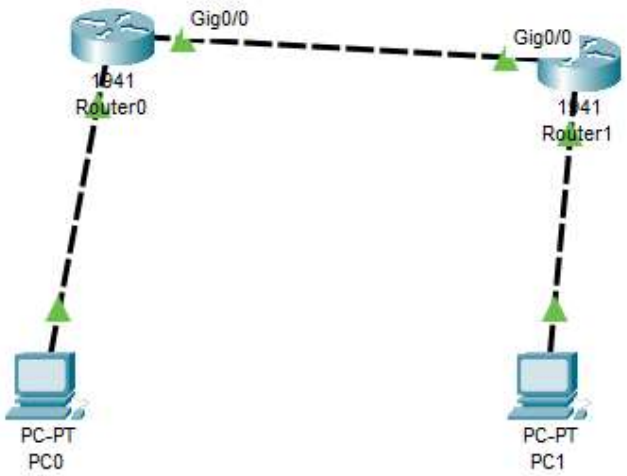

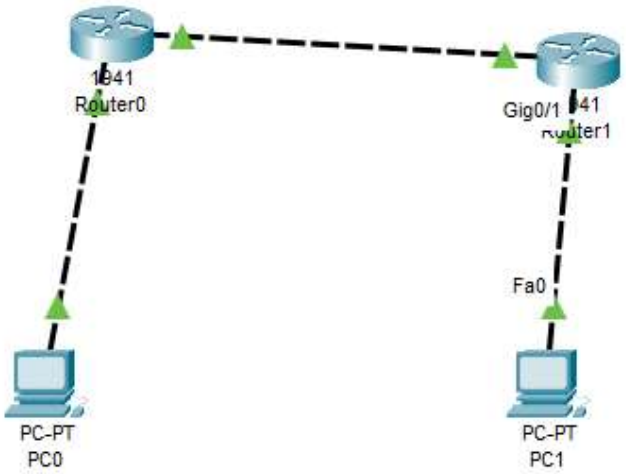

Router 0:

Router>enable

Router#

Router#

configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)

#interface FastEthernet0/0 Router(config-if)

#ip address 10.0.0.1 255.0.0.0

Router(config-if)

#ip address 10.0.0.1 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#ip address 20.0.0.1 255.0.0.0

Router(config-if)#ip address 20.0.0.1 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)

Router(config-if)exit

Router(config)#router rip

Router(config-router)#network 10.0.0.0

Router(config-router)#network 20.0.0.0

Router(config-router)# %LINK-5-CHANGED: Interface Serial2/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router 1:

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface FastEthernet0/0

Router(config-if)#ip address 30.0.0.1 255.0.0.0

Router(config-if)#ip address 30.0.0.1 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#ip address 20.0.0.2 255.0.0.0

Router(config-if)#ip address 20.0.0.2 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)# %LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#exit

Router(config)#router rip

Router(config-router)# %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up network 20.0.0.0

Router(config-router)#network 30.0.0.0

Conclusion:

Thus, we have successfully studied and implemented RIP protocol.