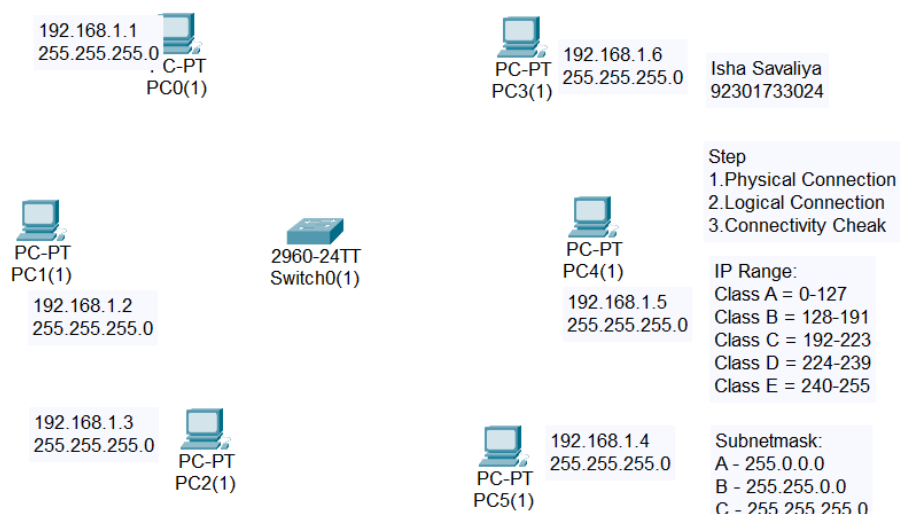
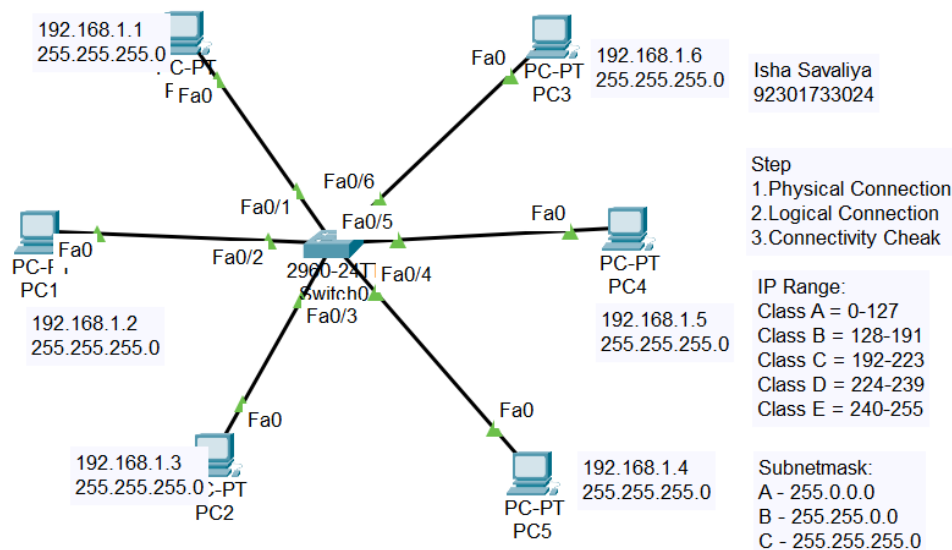

 Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technology Department of Information and Communication Technology	
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Step-1:- Take One Switch and Multiple PC's.

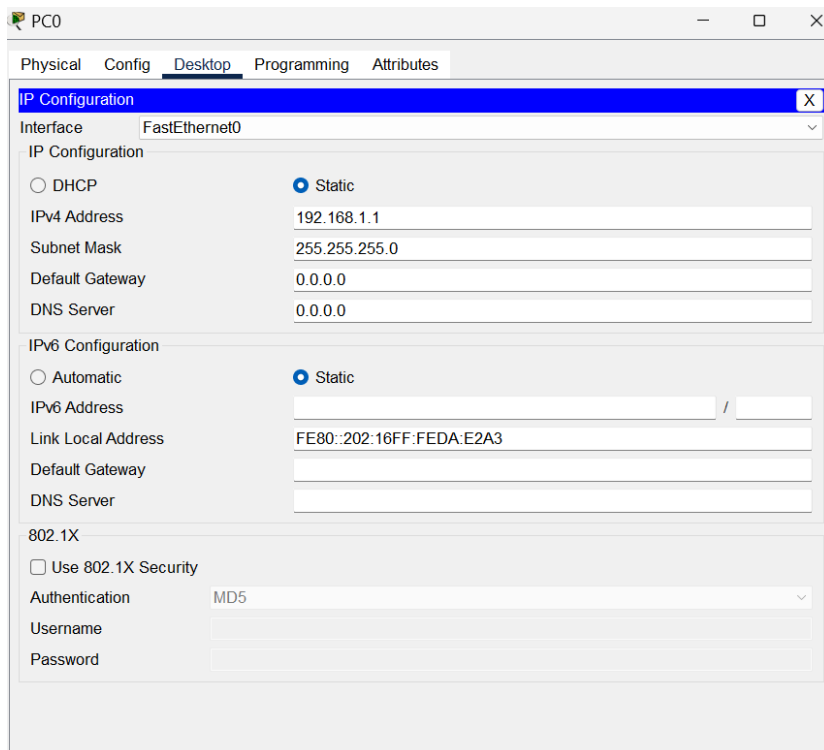


Step-2 :- Now Connect them using Copper Straight Connection Cabel.



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Step – 3 :- Now Configure all the PC's with Different IP Address and Same subnet mask
(PC0...->Desktop->IP Configuration)



Step – 4 :- Now open command prompt of any one of that PC's. Now run command “ping ip_address” where ip_address is your destination ip address.

```

C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:


Reply from 192.168.1.1: bytes=32 time=3ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=10ms TTL=128
Reply from 192.168.1.1: bytes=32 time=8ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 5ms

C:\>

```

It shows the successful connection.

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Conclusion:-

This experiment demonstrated the implementation of a star topology, including assigning IP addresses to each PC and verifying connectivity using the ping command. It provided practical knowledge of configuring network devices and testing successful communication between nodes.