	Marwadi University **Faculty of Engineering and Technology** **Department of Information and Communication Technology**	
Subject: Computer Networks (01CT0503)	**Aim: Simulate star topology and check the connectivity between devices.**	
Experiment No: 03	**Date: 10-08-2025**	**Enrolment No: 92301733024**

Step-1:- Take One Switch and Multiple PC's.

Step-2 :- Now Connect them using Copper Straight Connection Cabel.
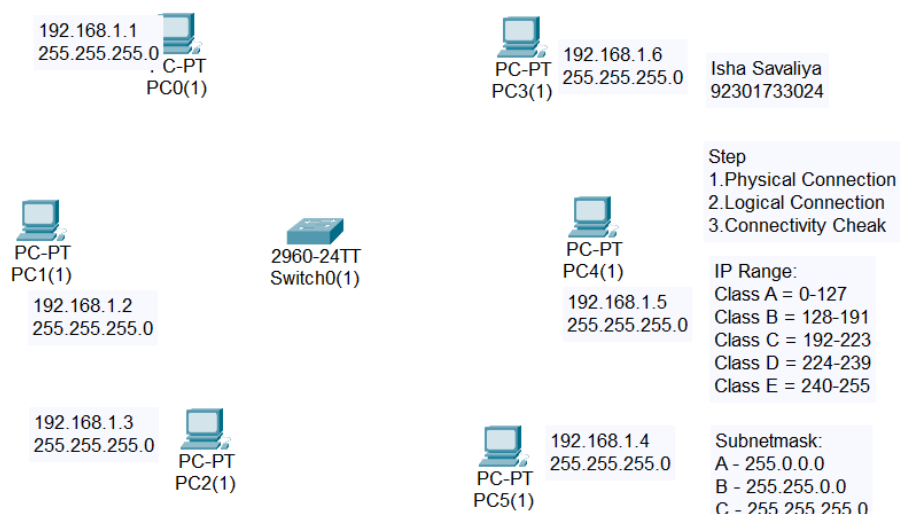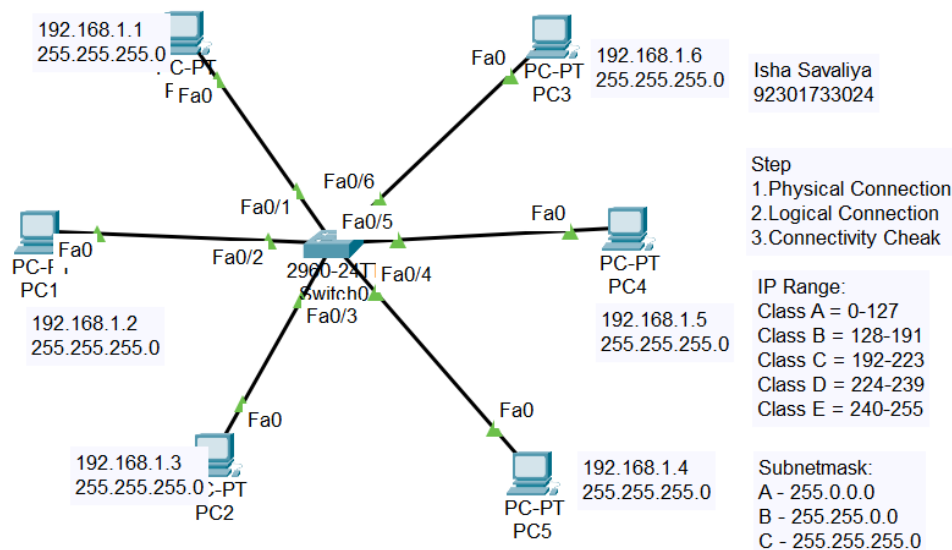
![Marwadi University Logo] Marwadi University Marwadi Chandarana Group	**Marwadi University** **Faculty of Engineering and Technology** **Department of Information and Communication Technology**
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Step – 3 :- Now Configure all the PC's with Different IP Address and Same subnet mask

(PC0…->Desktop->IP Configuration)
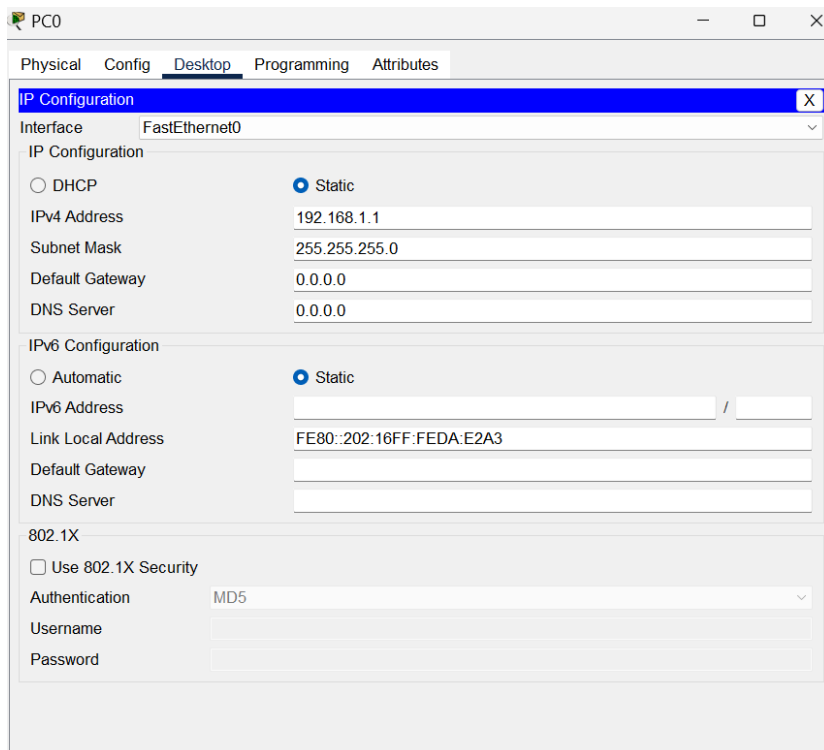
Step – 4 :- Now open command prompt of any one of that PC's. Now run command "ping ip_address" where ip_address is your destination ip address.

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.