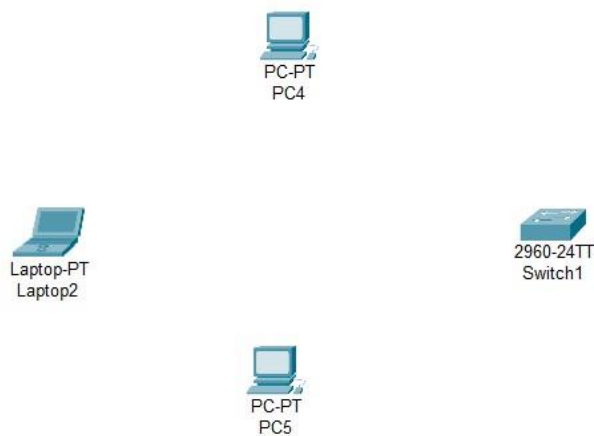
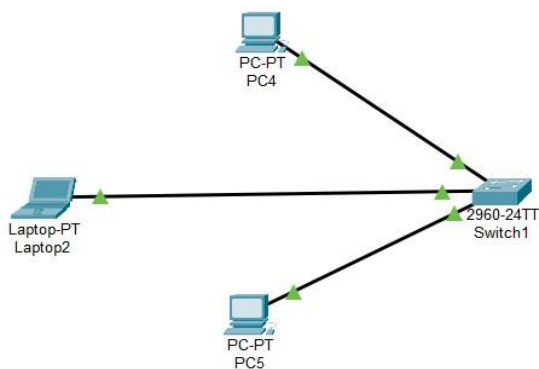
 Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technology Department of Information and Communication Technology	
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Experiment No: 01	Date: 18-07-2024	Enrolment No: 92200133021

Aim: Introduce networking simulator tool and demonstrate various functionality


Step – 1: Drag and drop PC/Laptops and switches from the bottom left panel.



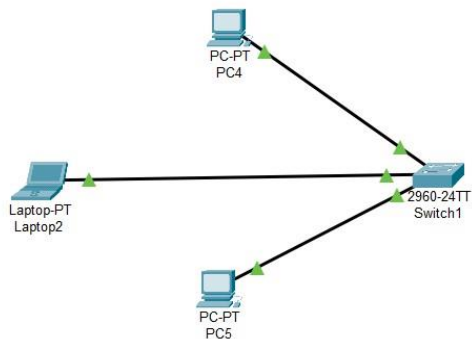
Step – 2 : Connect all PC/Laptop End User Devices to the switch using the Wire. This is how to connect a end user with a switch.



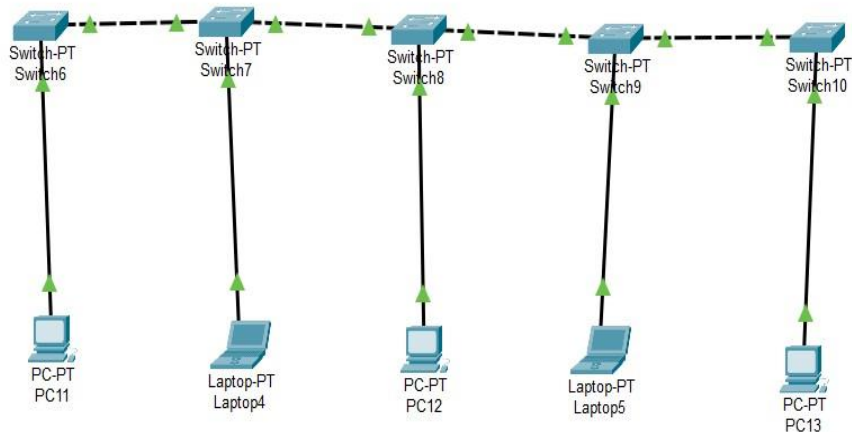
note:- using the first wire with the symbol of lighting the package tracer will automatically select the best suited wire for the connection.

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Star topology: - Each Node is connected with a hub/Switch.

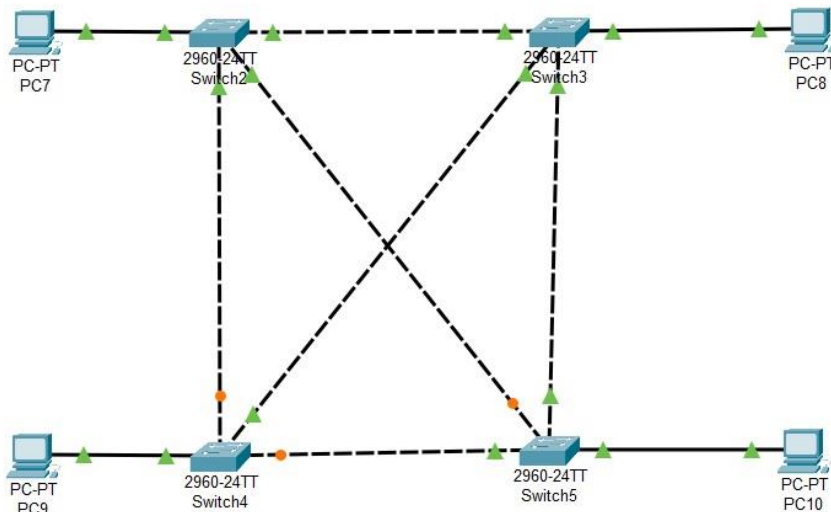


Bus topology: - All nodes are connected to a single line/Connection.



Mesh topology: - All nodes are connected to each other.

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Conclusion:

While experimenting with Packet Tracer, I explored how various network devices—such as routers, switches, and computers—interact based on specific layouts. I discovered that the type of connection varies depending on the devices involved: for instance, I found that straight-through cables are used to link different devices, like connecting a PC to a switch, whereas crossover cables are necessary for connecting similar devices, such as one switch to another.



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