

Date: 06 / 08 /2025

Lab Practical #8:

Study & Survey of Institute organization network infrastructure.

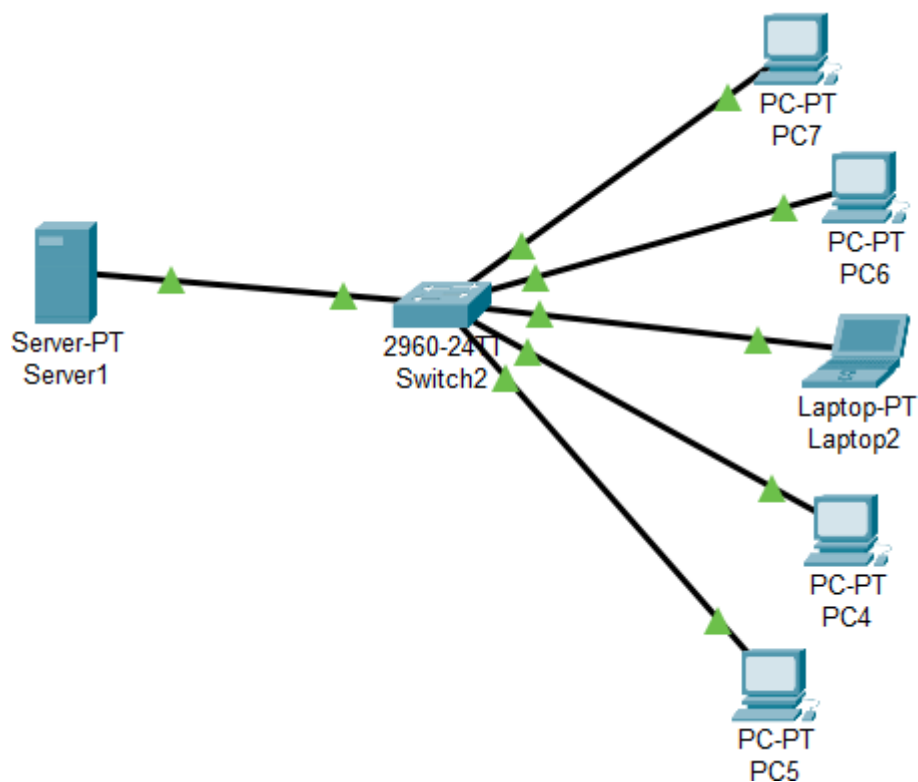
Practical Assignment #8:

1. Identify type of network in your institute. Draw a design of network in your institute (Any Lab/Floor/Building).

Lab NO.: C-209

Topology: Star Topology

All devices are connected to central switches, ensuring easy management.





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2. List how many network devices and types of cable used and give its details.

- **Total No. of PC:** 9, Used by students and staff for accessing network resources and internet.
- **Total No. of Switch:** 2, Central devices in the star topology that connect PCs and server together.
- **Total Server:** DHCP Server, Assigns dynamic IP addresses to all connected devices in the LAN.
- **Types of Cables:** Twisted Pair Cable, used for Ethernet connections between PCs, switches, and server.
- **Connectors:** RJ-45, Standard connector for twisted pair cables in LAN setups.
- **Network Type:** LAN, Enables fast and secure internal communication.