Roll No:241901097   **Name: SANGATHAMIZHAN.S.P**

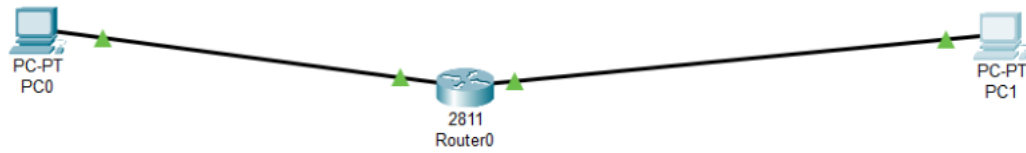## EXPT: 11 CUSTOMISE SWITCH WITH NETWORK MODULES USING CISCO PACKET TRACER

AIM:

To customize a switch by adding **network modules** in Cisco Packet Tracer and verify extended connectivity options.

ALGORITHM:

1. Start Cisco Packet Tracer and drag a 2811 Router onto the workspace.

2. Power off the router using the *Physical* tab.

3. Remove the cover plates from the empty network module slots.

4. Insert the required network modules (e.g., NM-1T, NM-1E) into the available slots.

5. Power on the router after inserting the modules.

6. Verify new interfaces under the *CLI* or *Config* tab

   o Check for newly added FastEthernet, Ethernet, or Serial interfaces.

7. Place end devices (PC0, PC1) near the router.

8. Connect PCs to the router using Copper Straight-Through cables:

   o PC0 → Router Interface

   o PC1 → Router Interface

9. Configure router interfaces:

   o Assign appropriate IP addresses.

   o Use the no shutdown command to enable the interfaces.

10. Configure PC network settings:

● Assign IP addresses in the same subnet as the router interface.

● Set the Default Gateway to the router's interface IP.

11. Test connectivity:

● Ping the router from each PC.

● Ping PC1 from PC0 and vice versa to ensure communication is successful.

OUTPUT:

RESULT:

The switch was successfully customized by adding a network module, and the newly added ports functioned correctly for connecting PCs in Cisco Packet Tracer.