

LAB No. 2

Name :- Himesh Ganorkar

Section :- A9-B1

Roll No :- 11

Statement :

Design a functional LAN and WAN network considering various requirements of the smart lab equipment and configure the router, switches through CLI commands to ensure seamless connectivity and efficient data management. Use cisco packet tracer demonstrate the same.

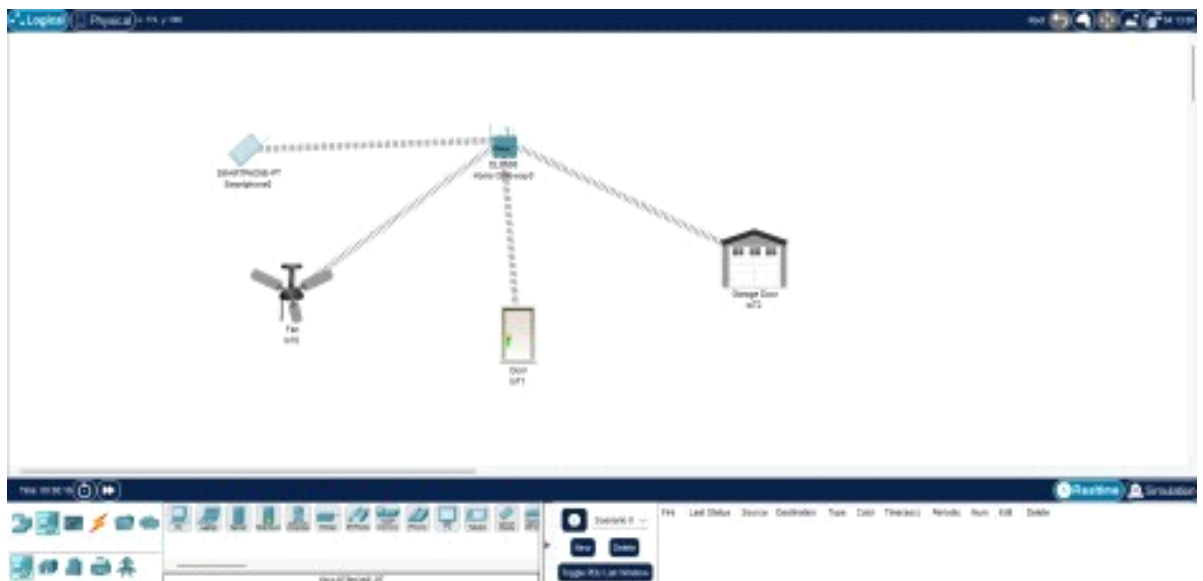
Task:

Design a Smart Lab based on your creative thinking for a specific purpose demanding a real application for deployment in society.

Refer sample network for your reference: Home automation implementation Design a smart home network that has:

- 3 wired PCs (for work/gaming)

- 2 wireless devices (phones/tablets)
- 1 smart TV (via wireless)
- 1 wireless printer **Tasks:**
- Use wireless router, switch, PCs, and smart devices
- Use DHCP for IP assignment
- Assign meaningful hostnames
- Simulate internet access using a cloud object



- Verify wireless connectivity and printing function

