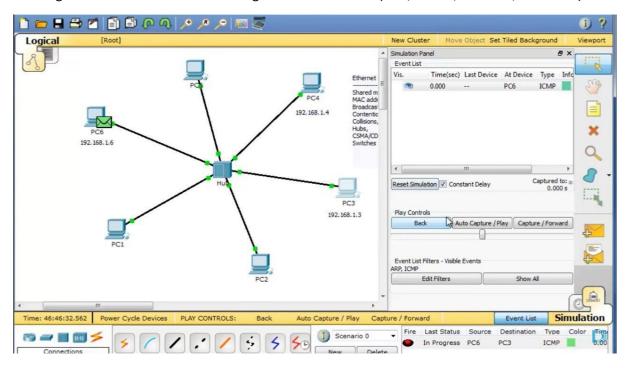
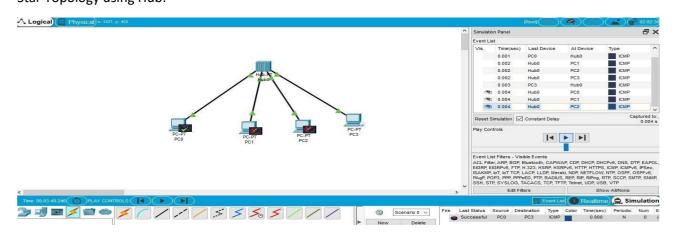
Lab Experiments: 1-5

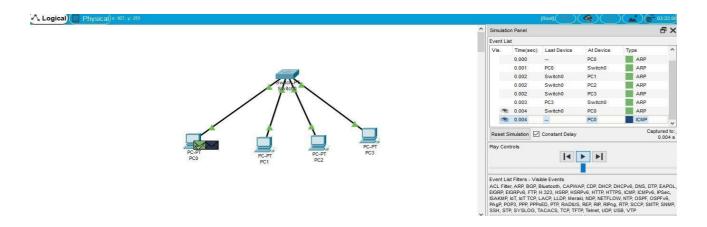
1. Configuration of Network Devices using Packet Tracer tools (Hub, Switch, Ethernet, Broadcast)



2. Design and Configuration of Star Topologies using Packet Tracer Star Topology using Hub:

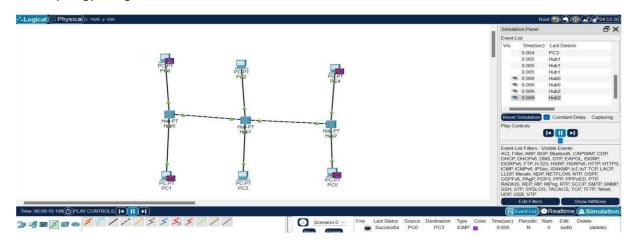


Star Topology using Switch:

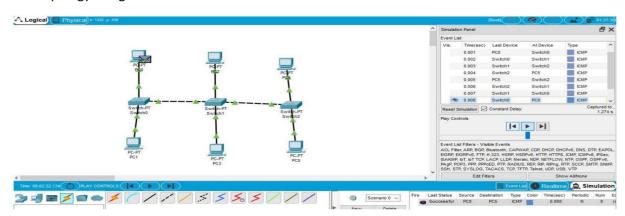


3. Design and Configuration of BUS Topologies using Packet Tracer.

Bus Topology using Hub:

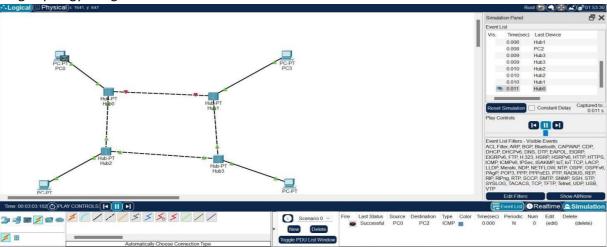


Bus Topology using Switch:

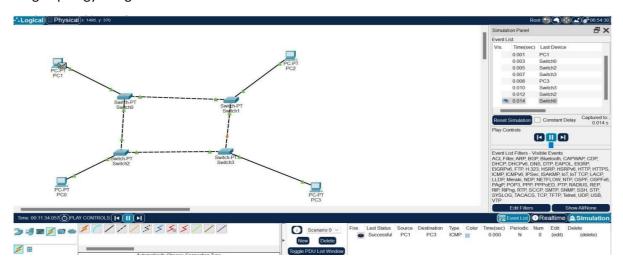


4. Design and Configuration of RING Topologies using Packet Tracer

Ring Topology using Hub:

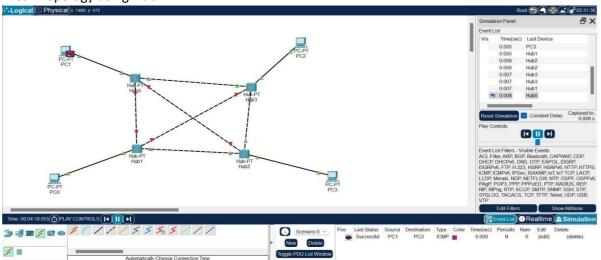


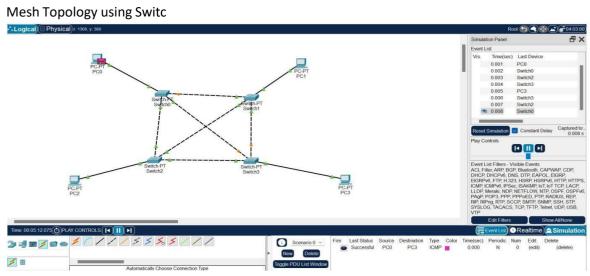
Ring Topology using Switch:



5. Design and Configuration of Mesh Topologies using Packet Tracer

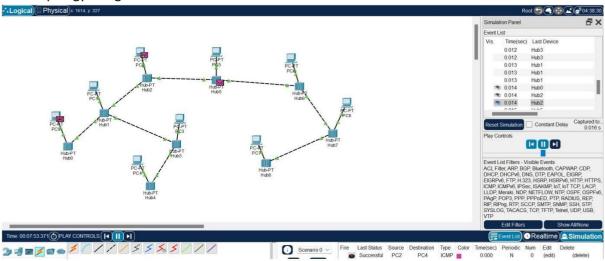
Mesh Topology using Hub:



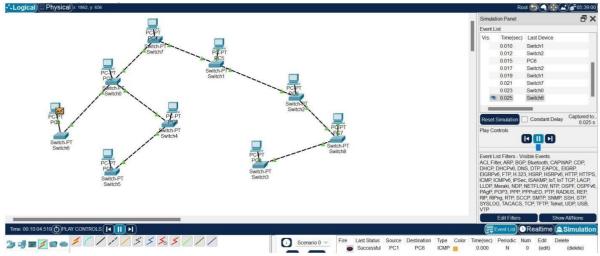


6. Design and Configuration of Tree Topologies using Packet Tracer.

Tree Topology using Hub:

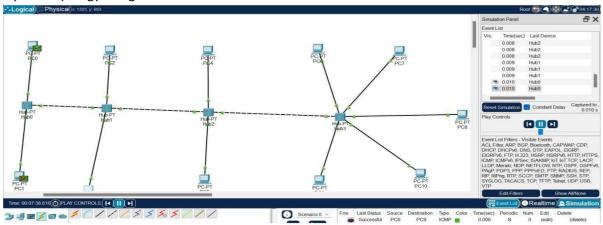


Tree Topology using Switch:

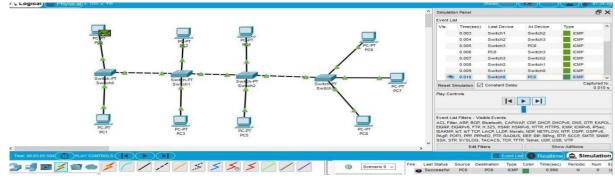


7. Design and Configuration of Hybrid Topologies using Packet Tracer

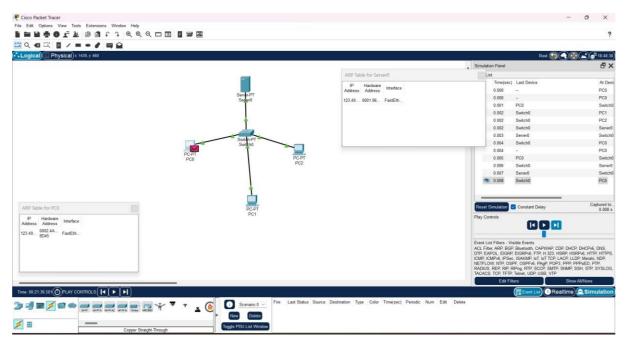
Hybrid Topology using Hub:



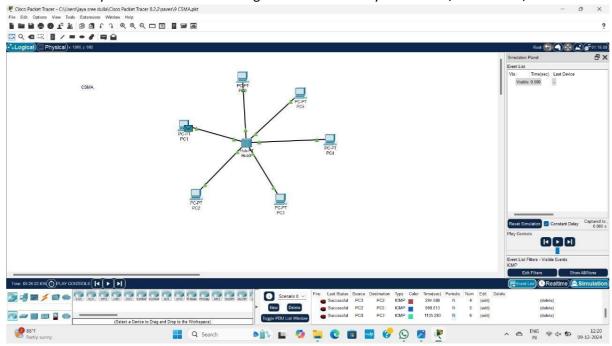
Hybrid Topology using Switch:



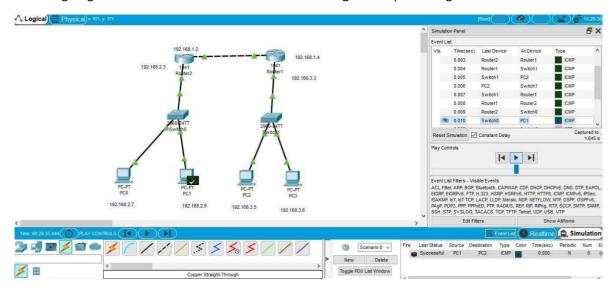
8. Data Link Layer Traffic Simulation using Packet Tracer Analysis of ARP



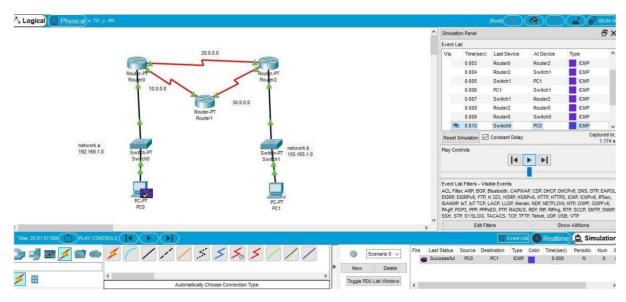
9. Data Link Layer Traffic Simulation using Packet Tracer Analysis of CSMA/CD & CSMA/CA



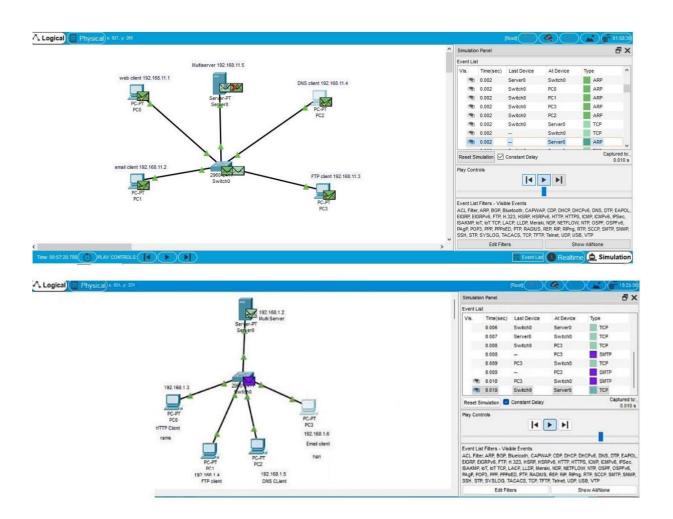
10. Designing two different networks with Static Routing techniques using Packet Tracer.



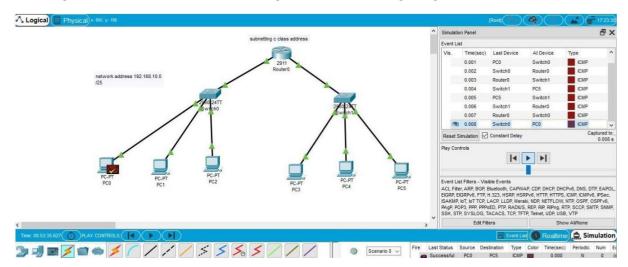
11. Designing two different networks with Dynamic Routing techniques (RIP & OSPF) using Packet Tracer



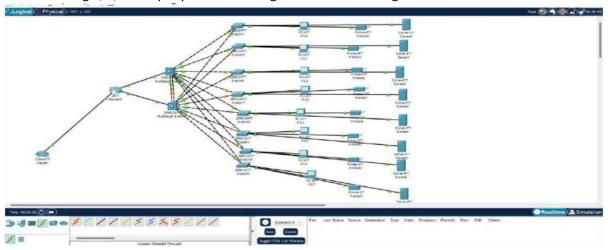
12. Design the Functionalities and Exploration of TCP using Packet Tracer



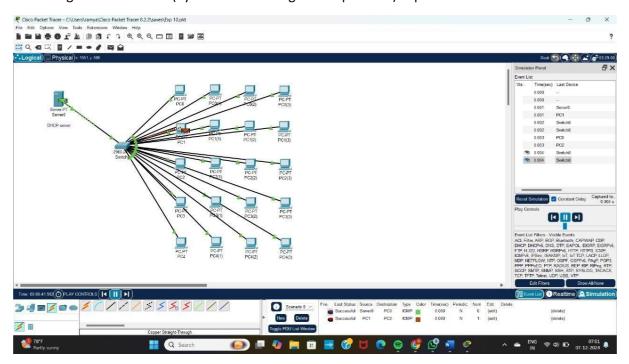
13. Design the network model for Subnetting – Class C Addressing using Packet Tracer.



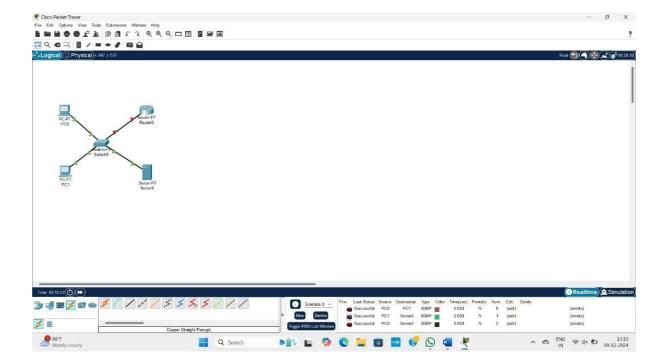
14. Simulating X, Y, Z Company Network Design and simulate using Packet Tracer.



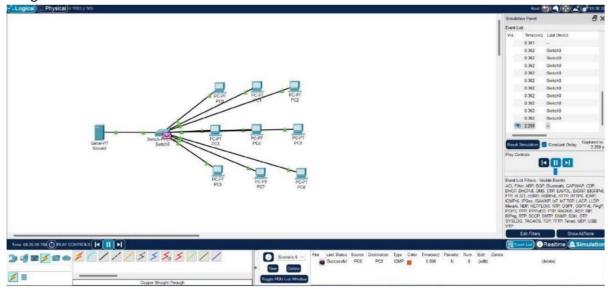
15. Configuration of DHCP (dynamic host configuration protocol) in packet Tracer.



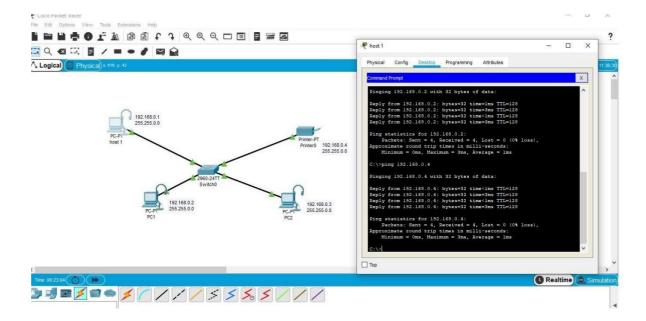
16. Configuration of firewall in packet tracer.



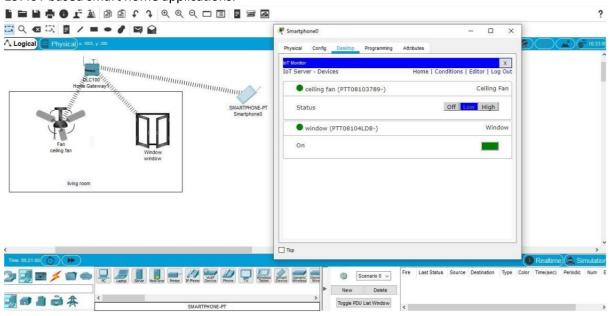
17. Make a Computer Lab to transfer a message from one node to another to design and simulate using Cisco Packet Tracer.



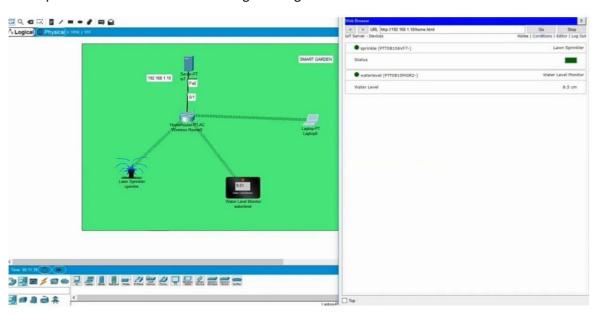
18. Simulate a Multimedia Network in Cisco Packet Tracer.



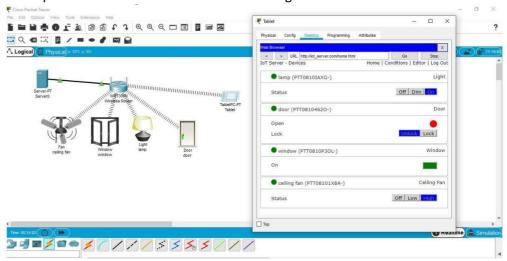
19. IoT based smart home applications.



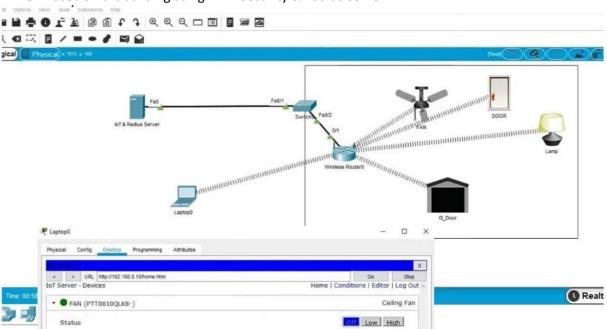
20. Implementation of IoT based smart gardening.



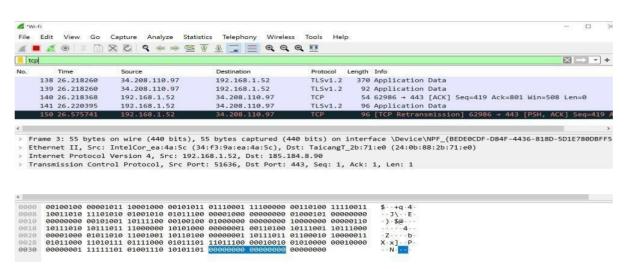
21. Implementation of IoT devices in networking.



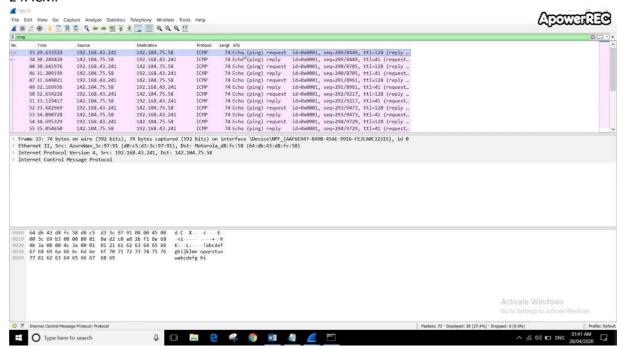
22. IOT Based Smart building using WPA Security & Radius Server.



23. TCP



24. ICMP



25. ARP

