

COMPUTER NETWORKS

CSA0718

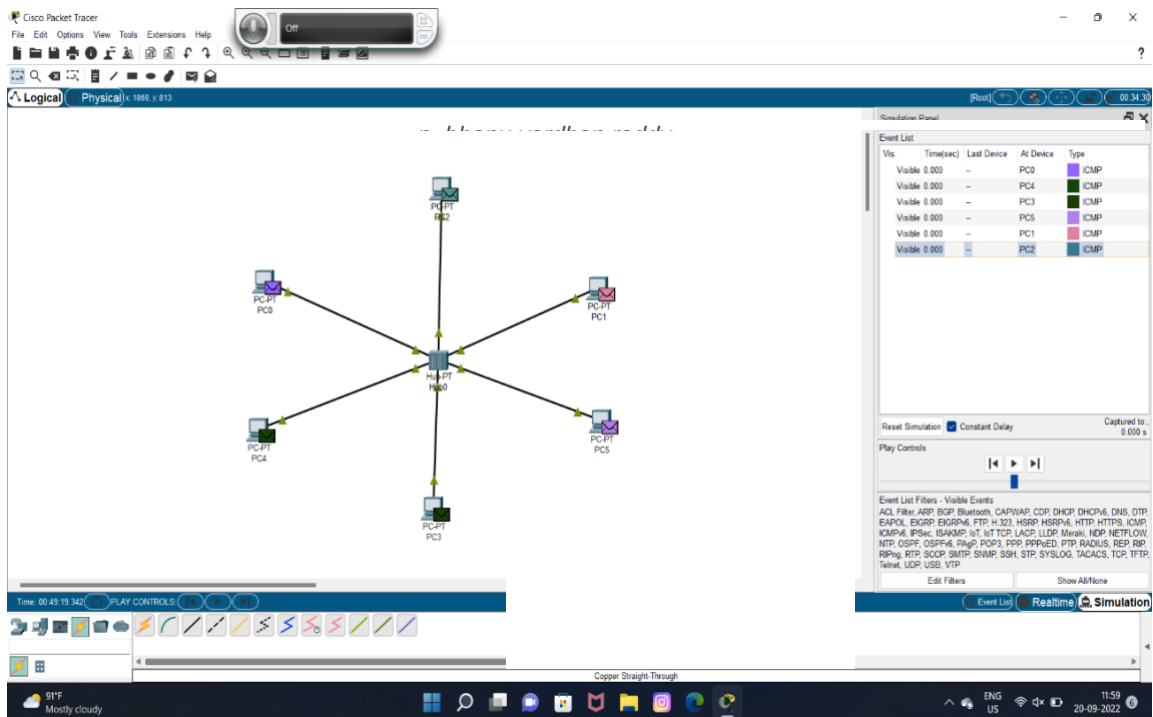
PRACTICAL EXPERIMENTS

- **NAME:- shaik Sameer basha**
- **REG NO:-192124117**

- 1.** Configuration of Topologies using Packet Tracer (Star, Mesh, Tree,)
- 2.** Configuration of Topologies using Packet Tracer (Bus, Ring, Hybrid
- 3.** Data Link Layer Traffic Simulation using Packet Tracer Analysis of CSMA/CD& CSMA/CA
- 4.** Data Link Layer Traffic Simulation using Packet Tracer Analysis of ARP
- 5.** Static Routing using Packet Tracer
- 6.** Dynamic Routing using Packet Tracer (OSPF)
- 7.** Subnetting – Class C Addressing
- 8.** Functionalities of TCP, UDP
- 9.** TCP, UDP Exploration Solution
- 10.** IOT Based Smart Home Using Cisco Packet Tracer
- 11.** Smart Garden in Cisco Packet Tracer
- 12.** IOT Devices in Networking Using Cisco Packet Tracer
- 13.** Simulating X,Y,Z Company Network Design
- 14.** Make Computer Lab in
- 15.** Cisco Packet Tracer

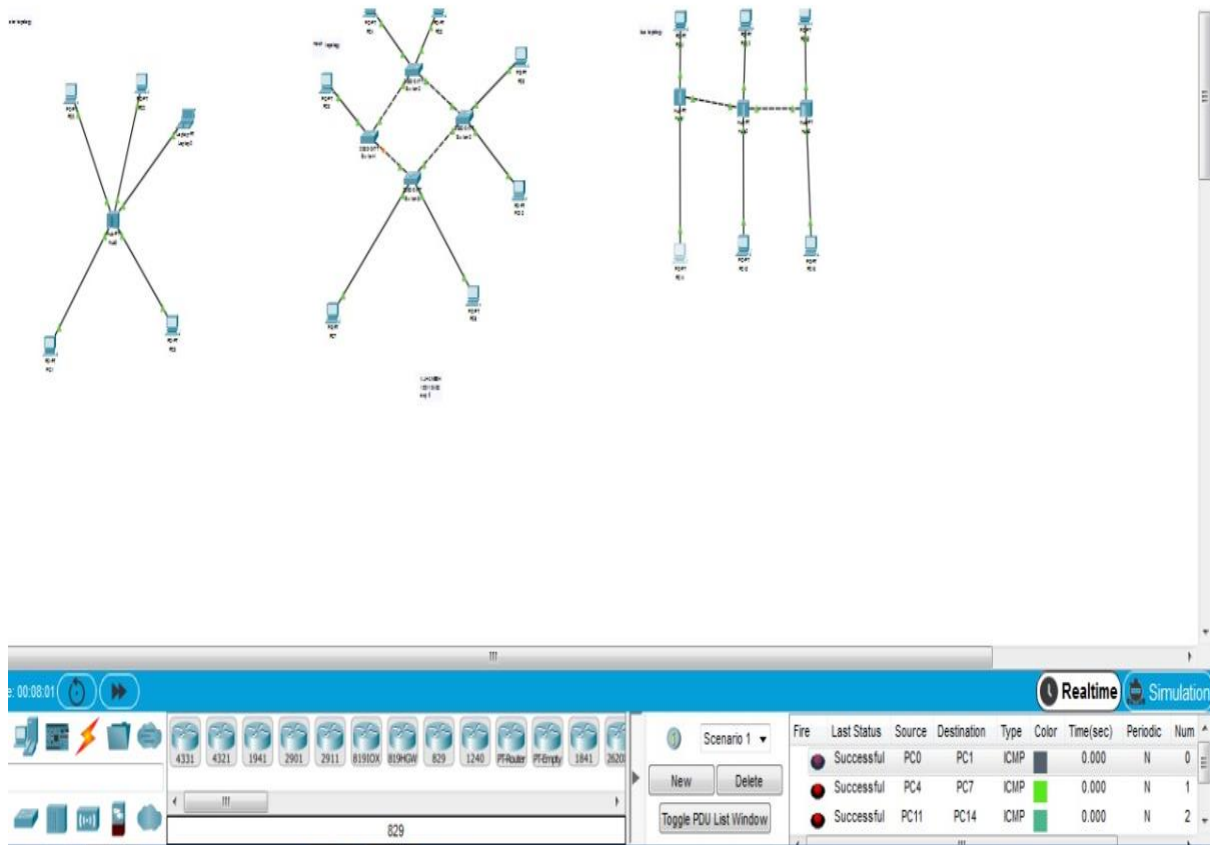
Experiment-1

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



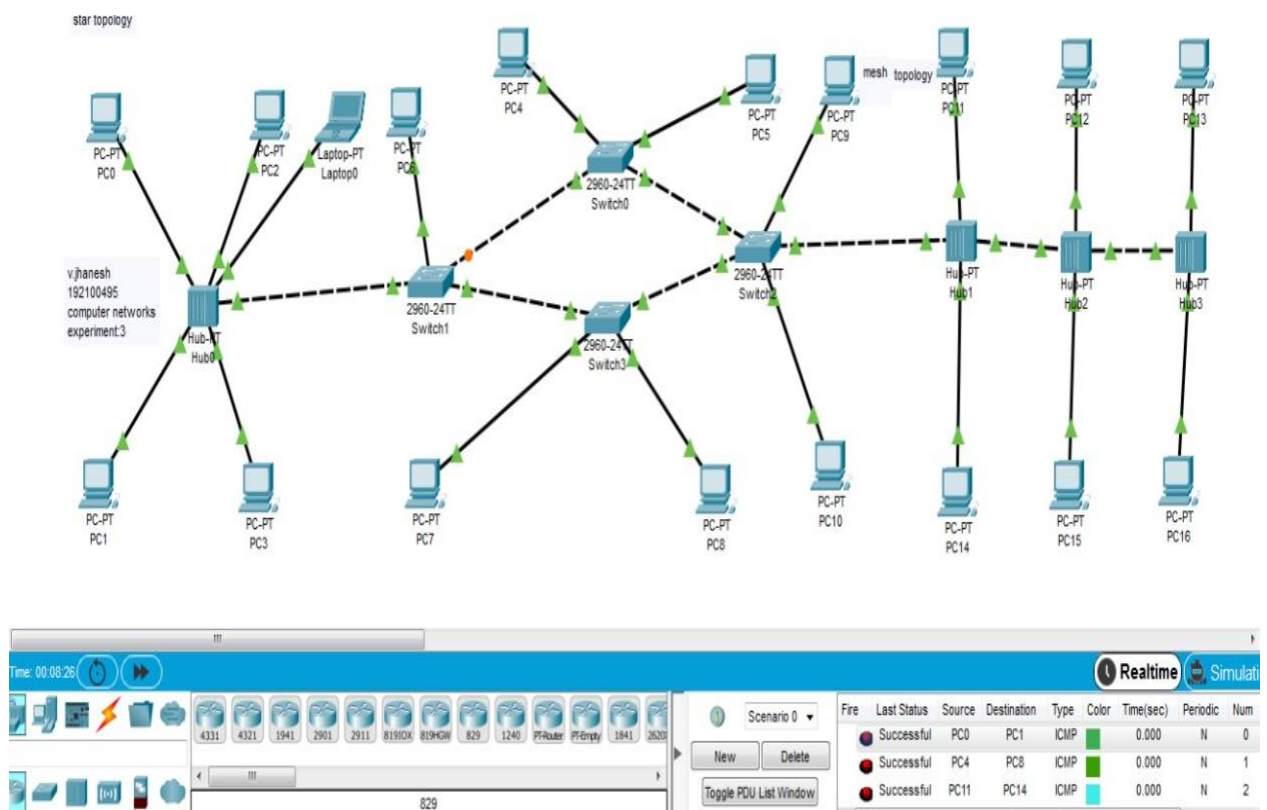
EXPERIMENT-2.

Configuration of Topologies using Packet Tracer (Star, Bus, Ring)



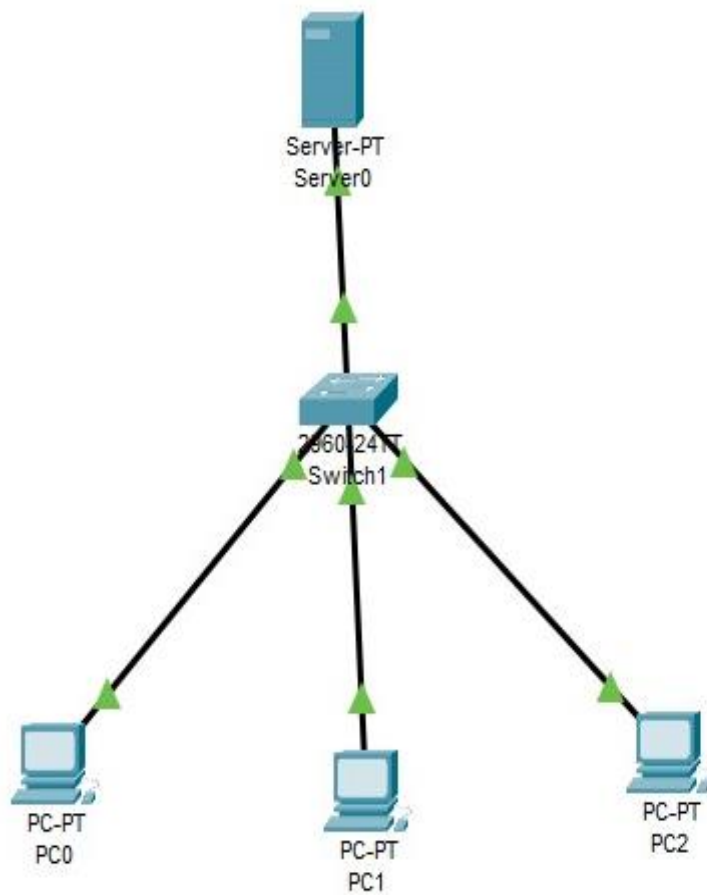
EXPERIMENT-3.

Configuration of Topologies using Packet Tracer (Mesh, Tree ,Hybrid)



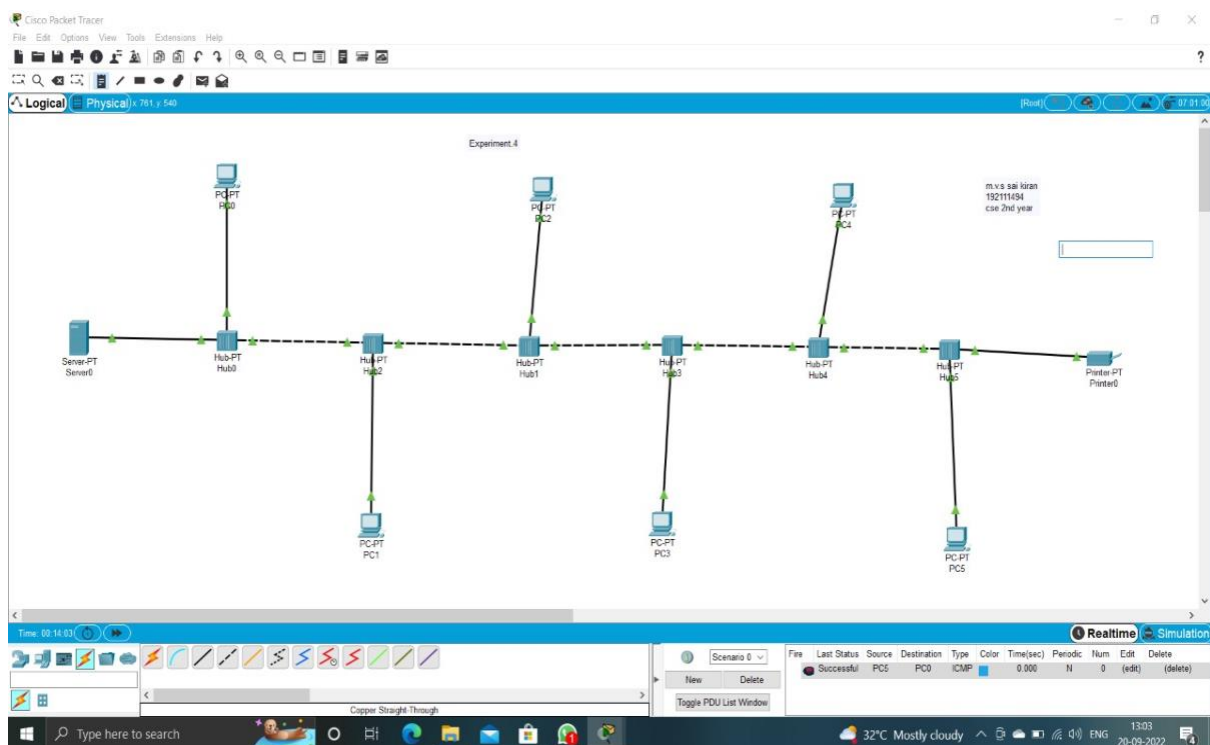
EXPERIMENT-4.

Data Link Layer Traffic Simulation using Packet Tracer Analysis of ARP



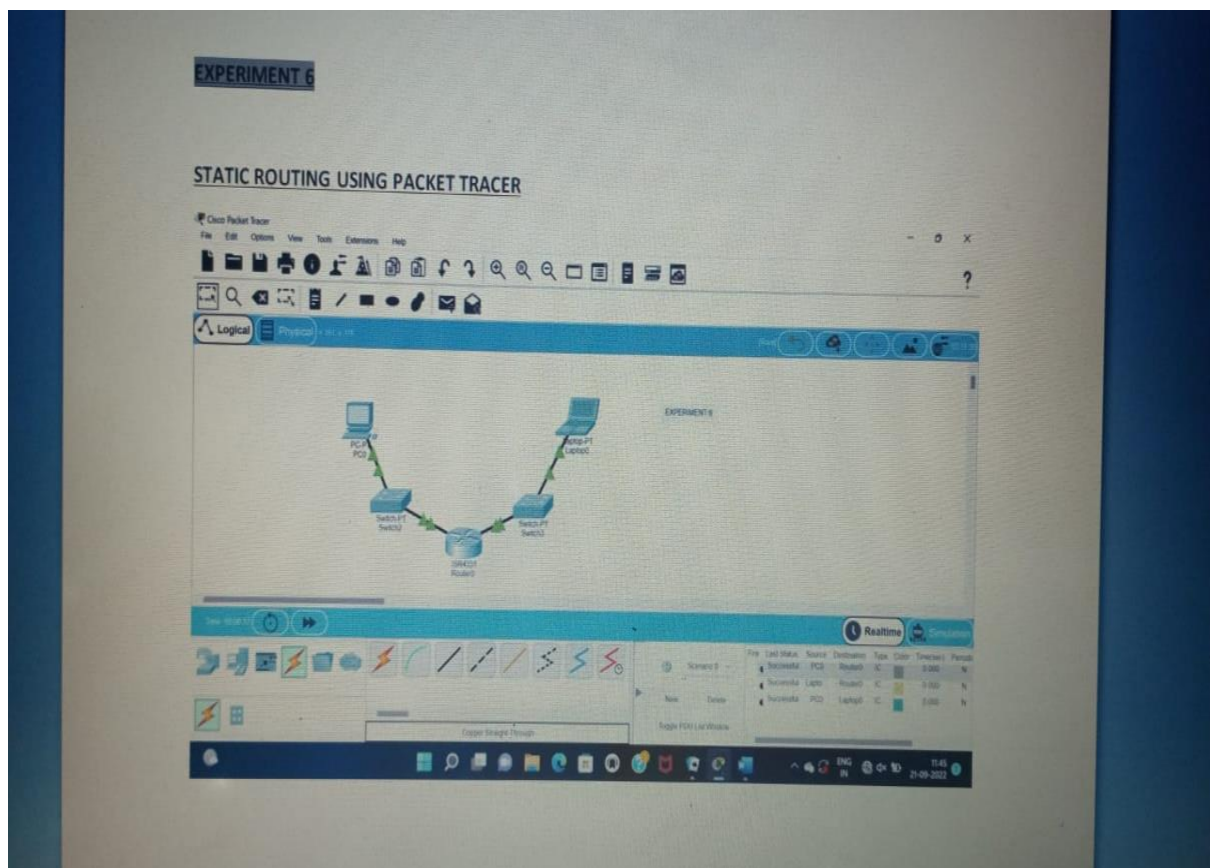
EXPERIMENT-5

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



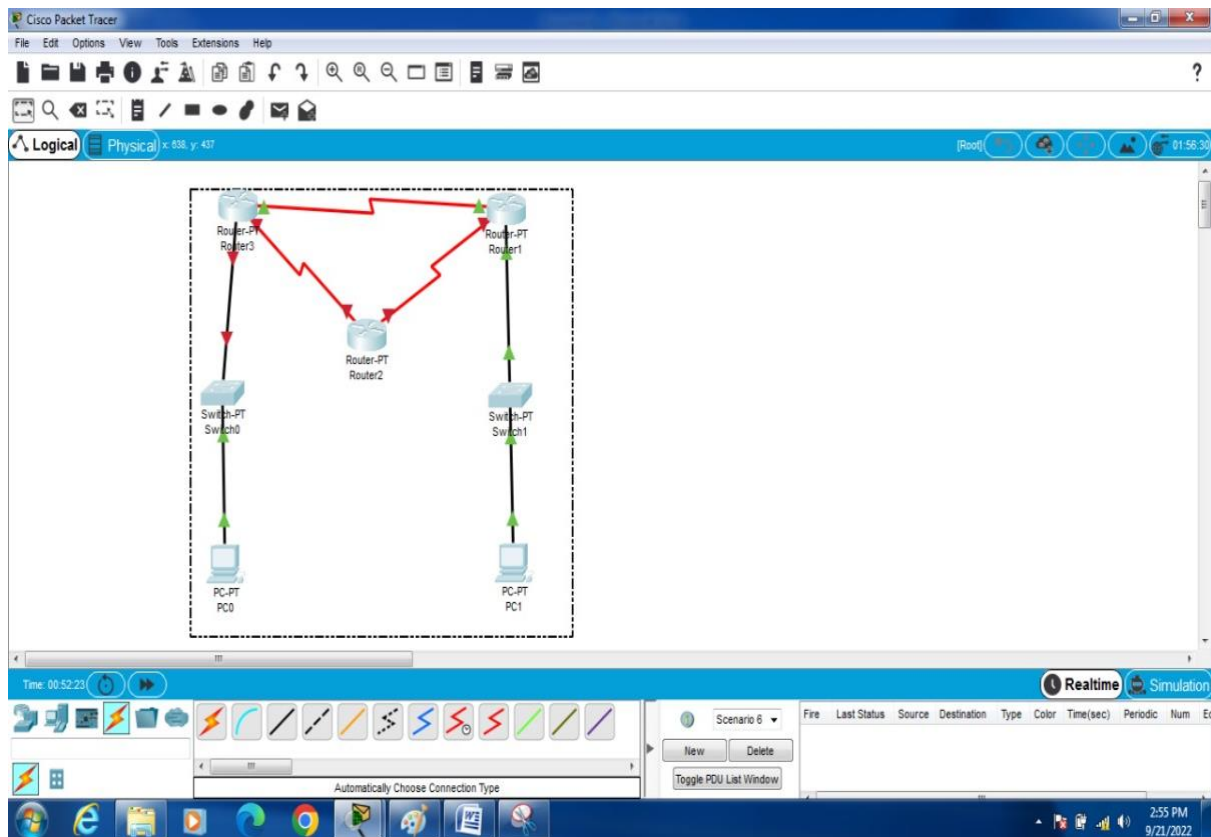
EXPERIMENT-6

Static Routing using Packet Tracer



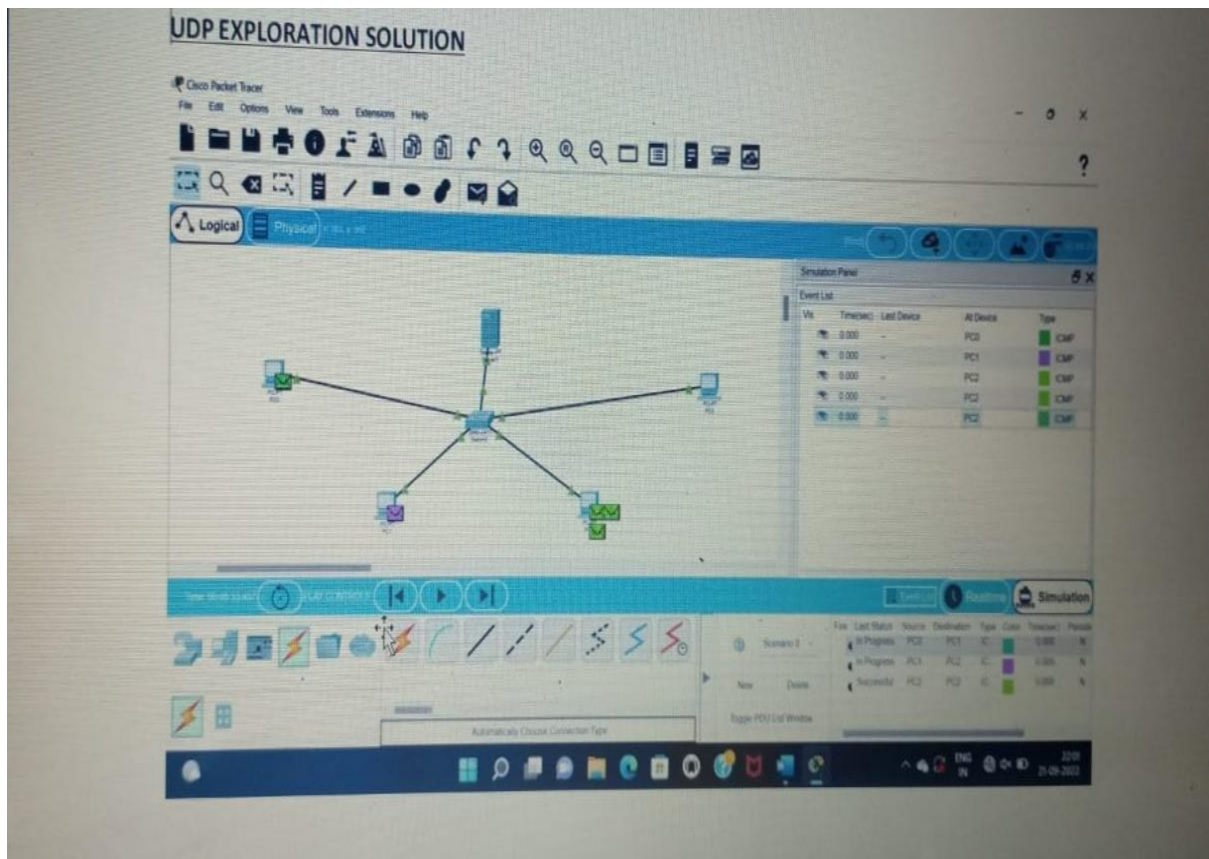
EXPERIMENT-7

Dynamic Routing using Packet Tracer (Distance vector & OSPF)



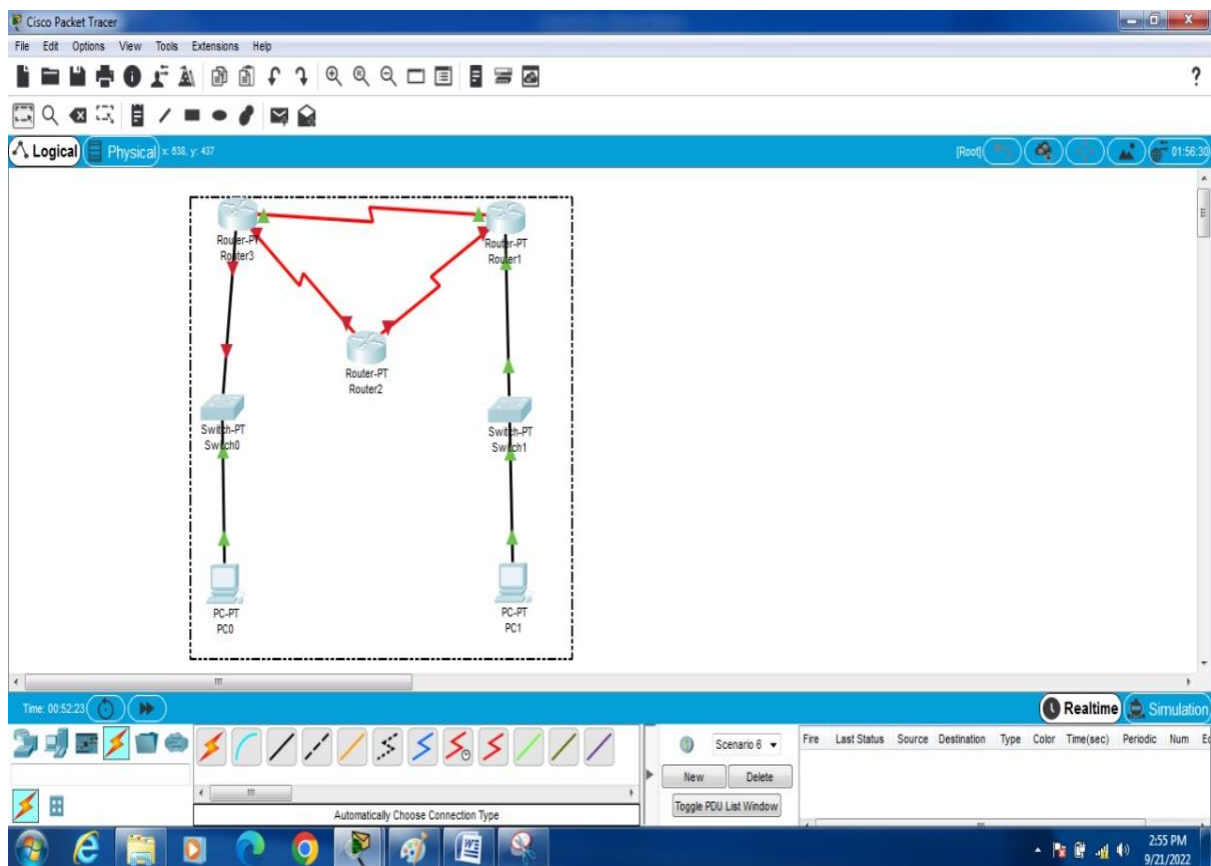
EXPERIMENT-8

Functionalities of TCP, UDP



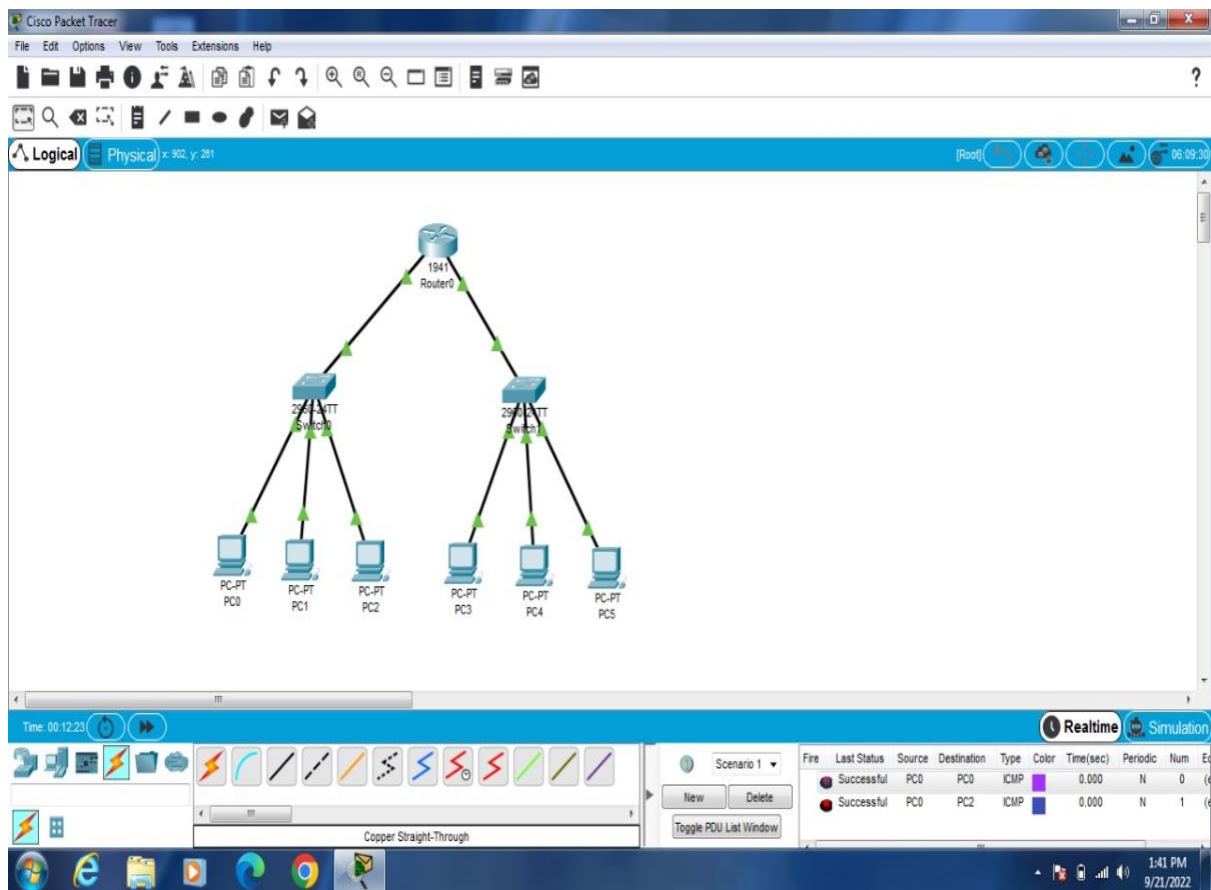
EXPERIMENT-9

TCP, UDP Exploration Solution



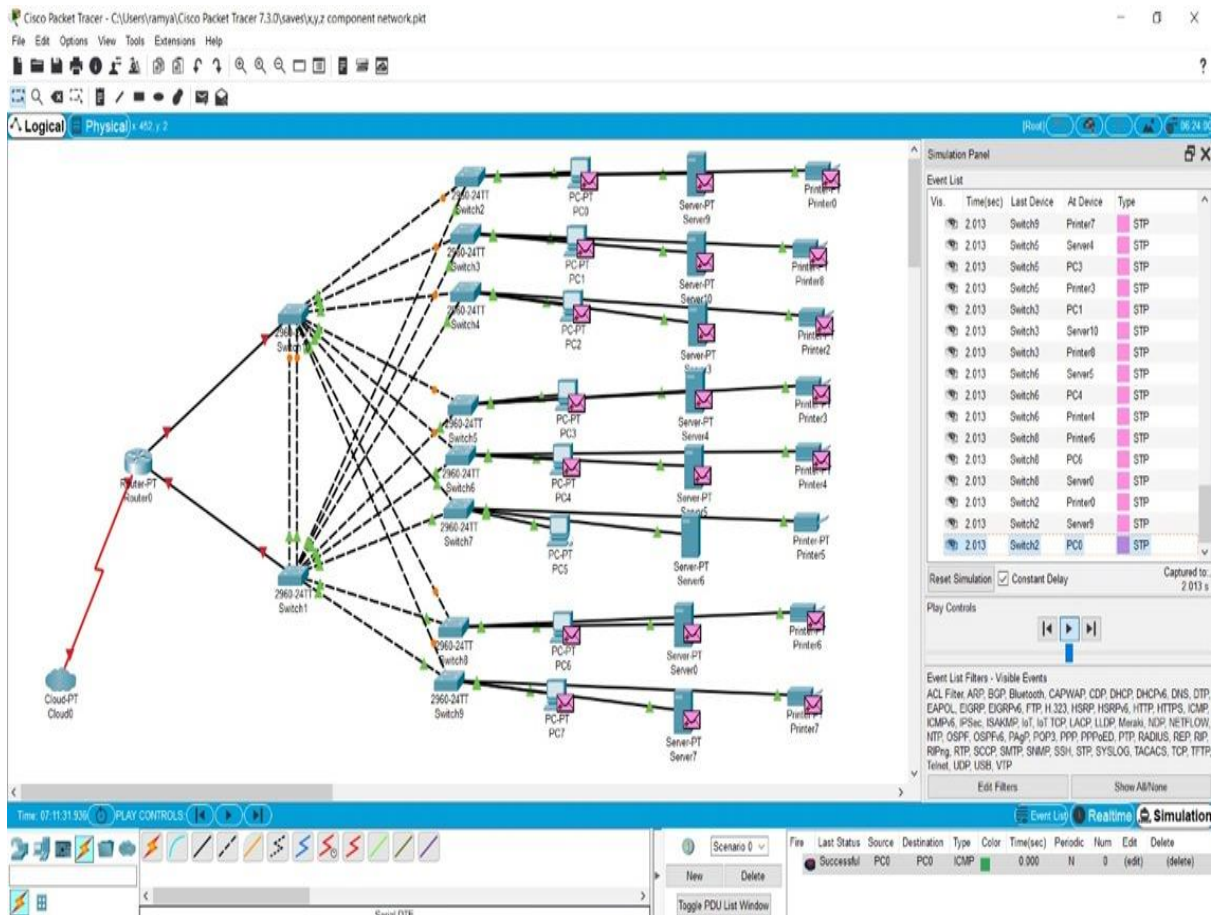
EXPERIMENT-10

Subnetting – Class C Addressing



EXPERIMENT-11

Simulating X, Y, Z Company Network Design



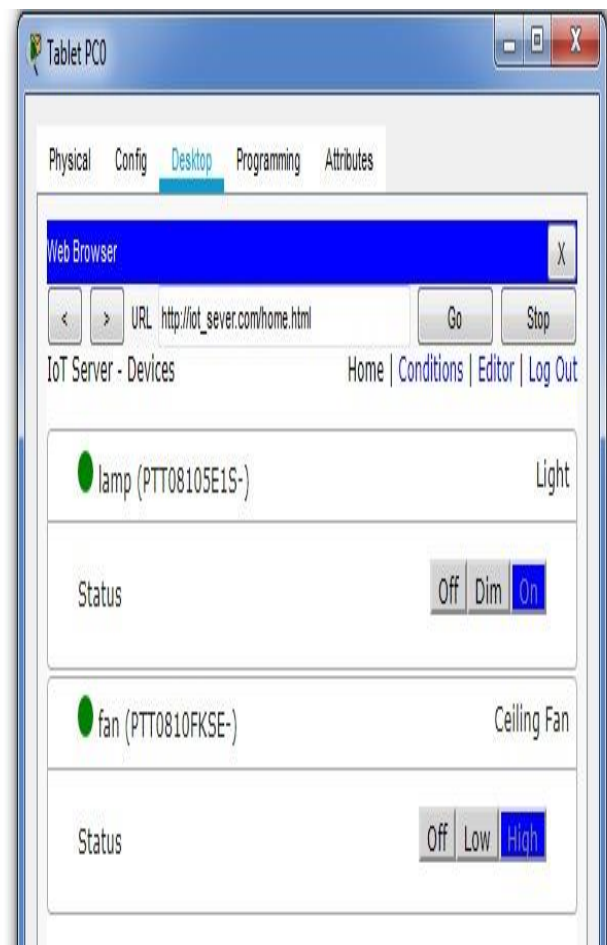
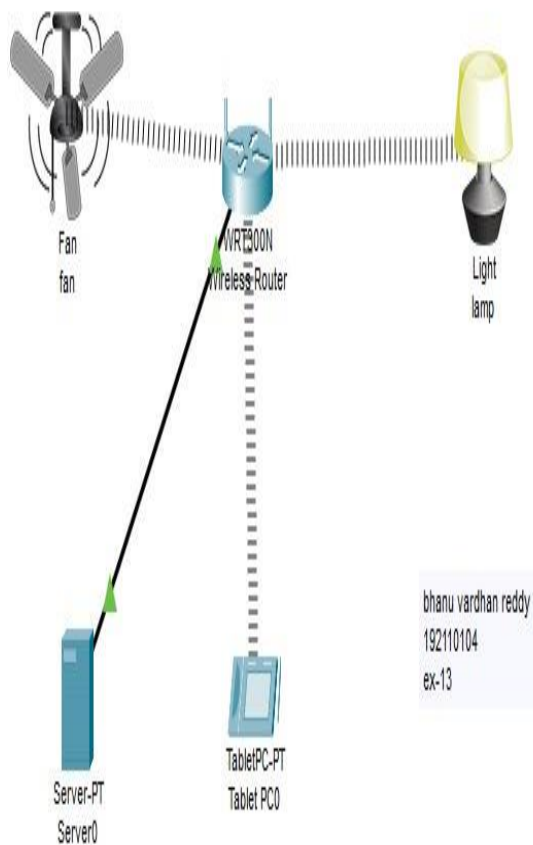
EXPERIMENT-12

Smart Garden in Cisco Packet Tracer



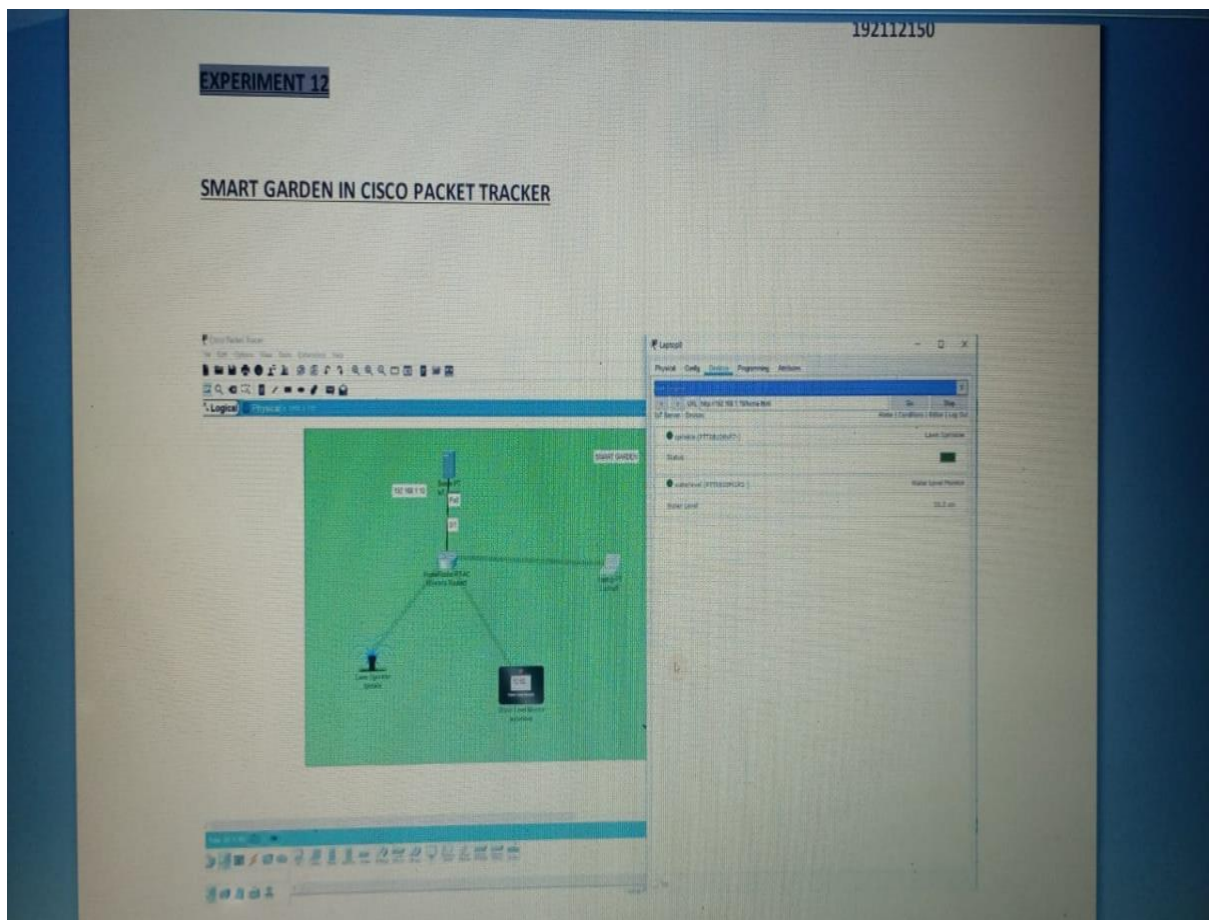
EXPERIMENT-13

Smart Garden in Cisco Packet Tracer



EXPERIMENT-14

Smart Garden in Cisco Packet Tracer



EXPERIMENT-15

Make Computer Lab in Cisco Packet Tracer

