|  |  |
| --- | --- |
| A picture containing text, clipart  Description automatically generated | Text, logo  Description automatically generated |

**COMPUTER NETWORKS - CSA07**

**D CHANDU**

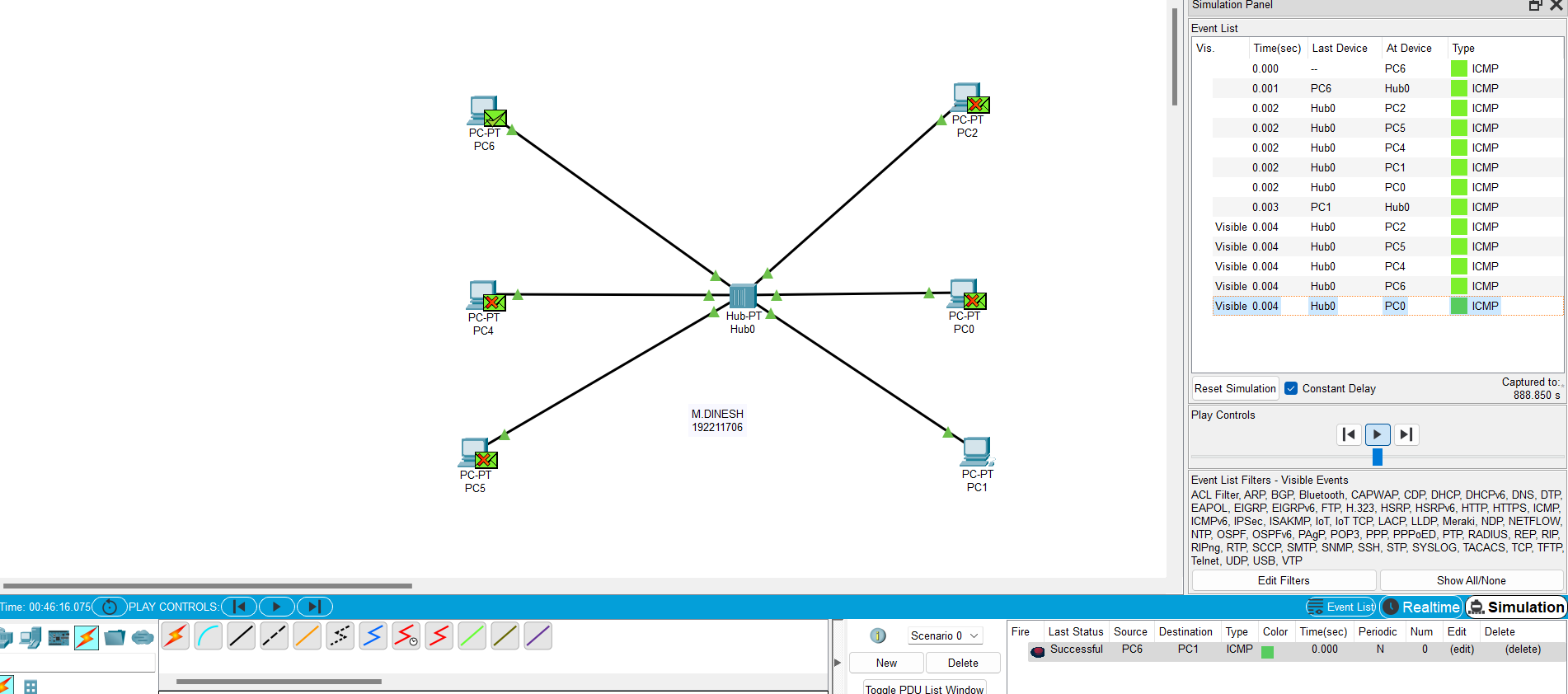
**192211232**

**List of Experiments**

|  |  |  |
| --- | --- | --- |
| **Sl.NO** | **Experiment** |  |
|  | Configuration of Network Devices using Packet Tracer tools (Hub, Switch, Ethernet, Broadcast) |  |
|  | Design and Configuration of Star Topologies using Packet Tracer |  |
|  | Design and Configuration of BUS Topologies using Packet Tracer |  |
|  | Design and Configuration of RING Topologies using Packet Tracer |  |
|  | Design and Configuration of Mesh Topologies using Packet Tracer |  |
|  | Design and Configuration of Tree Topologies using Packet Tracer |  |
|  | Design and Configuration of Hybrid Topologies using Packet Tracer |  |
|  | Data Link Layer Traffic Simulation using Packet Tracer Analysis of ARP |  |
|  | Data Link Layer Traffic Simulation using Packet Tracer Analysis of LLDP |  |
|  | Data Link Layer Traffic Simulation using Packet Tracer Analysis of CSMA/CD & CSMA/CA |  |
|  | Implementation of Bit stuffing mechanism using C |  |
|  | To design the two different networks with Static Routing techniques using Packet Tracer |  |
|  | To design the Network with Dynamic Routing using Packet Tracer (Distance vector & OSPF) |  |
|  | Design the Functionalities and Exploration of TCP using Packet Tracer |  |
|  | Design the Functionalities of Exploration UDP using Packet Tracer |  |
|  | Design the network model for Subnetting – Class C Addressing using packet tracer |  |
|  | Implementation of server – client using TCP socket programming | **NOT** |
|  | Implementation of server – client using UDP socket programming | **NOT** |
|  | Simulating X, Y, Z Company Network Design and simulate using Packet Tracer |  |
|  | Configuration of DHCP (dynamic host configuration protocol) in packet tracer |  |
|  | Configuration of firewall in packet tracer. |  |
|  | Make a Computer Lab to transfer a message from one node to another to design and simulate using Cisco Packet Tracer |  |
|  | Transport layer protocol header analysis using Wireshark- TCP |  |
|  | Network layer protocol header analysis using Wireshark - SMTP |  |
|  | Network layer protocol header analysis using Wireshark - ICMP |  |
|  | Transport layer protocol header analysis using Wireshark - UDP |  |
|  | Network layer protocol header analysis using Wireshark - ARP |  |
|  | Network layer protocol header analysis using Wireshark - HTTP |  |
|  | Identify and monitor the IP, network address, Trace the router  information, how to take remote system and check the node connection  in network. | **NOT** |
|  | Demonstration of PING operation using ICMP in Wireshark | **NOT** |

**EXPERIMENT-1**

**NETWORK DEVICES**

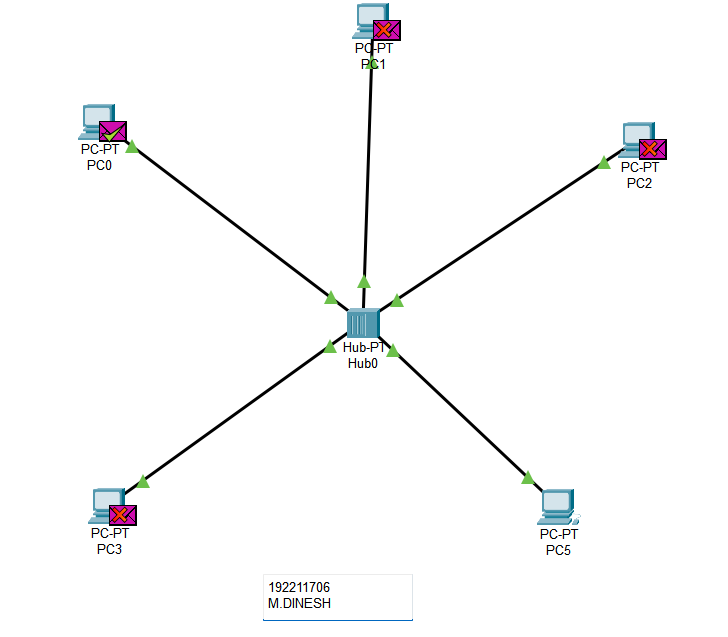
****

D CHANDU

192211232

**EXPERIMENT-2**

**STAR TOPOLOGY:**

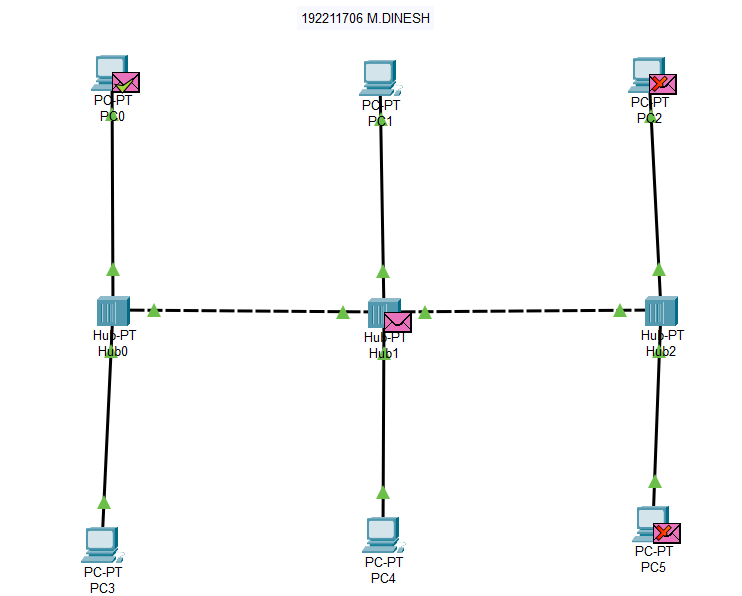


D CHANDU

192211232

**EXPERIMENT-3**

**BUS TOPOLOGY**

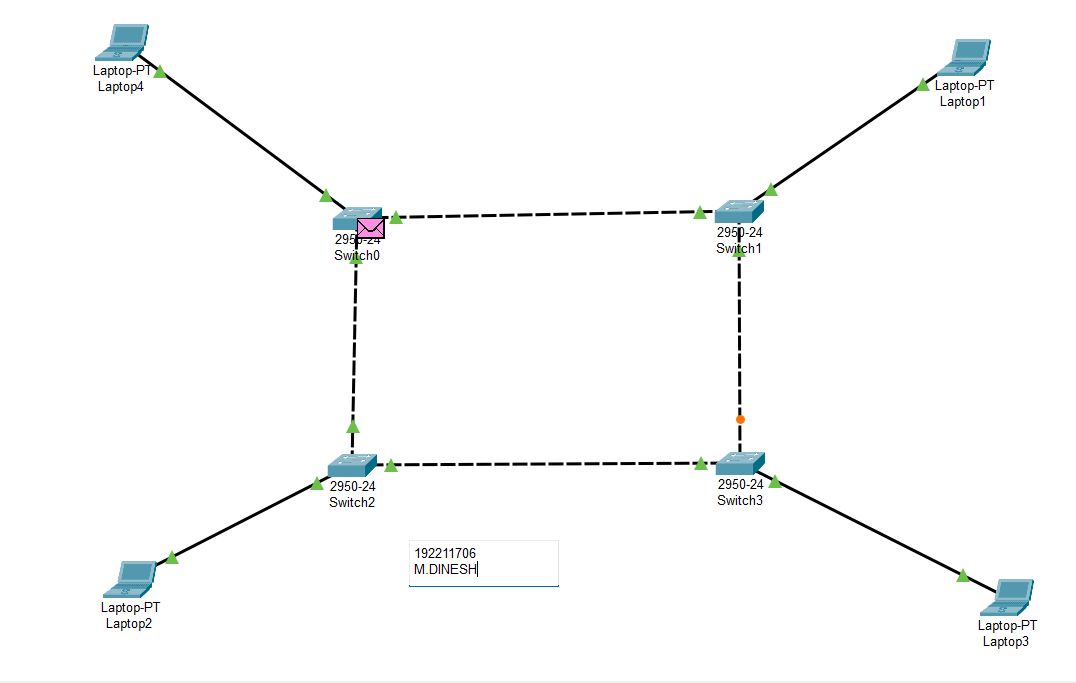


D CHANDU

192211232

**EXPERIMENT-4**

**RING TOPOLOGY**

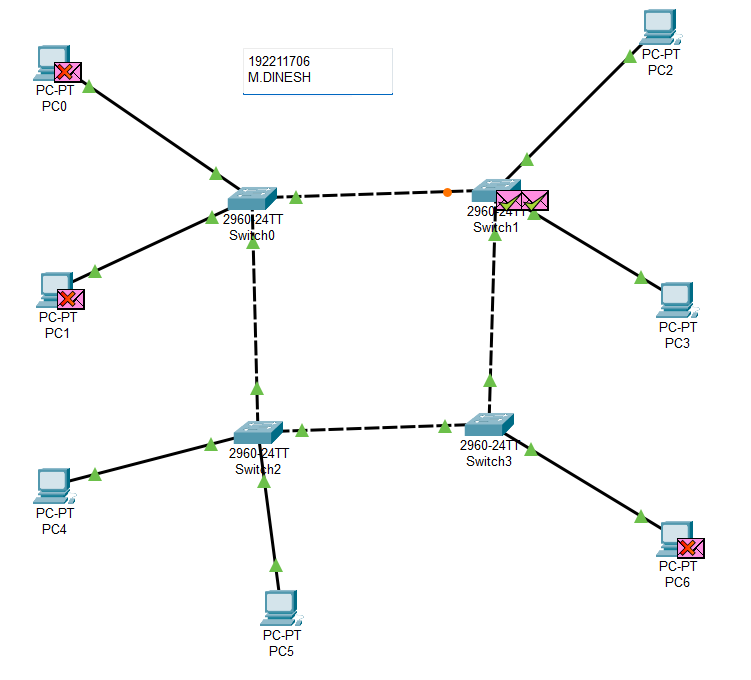


D CHANDU

192211232

**EXPERIMENT-5**

**MESH TOPOLOGY**

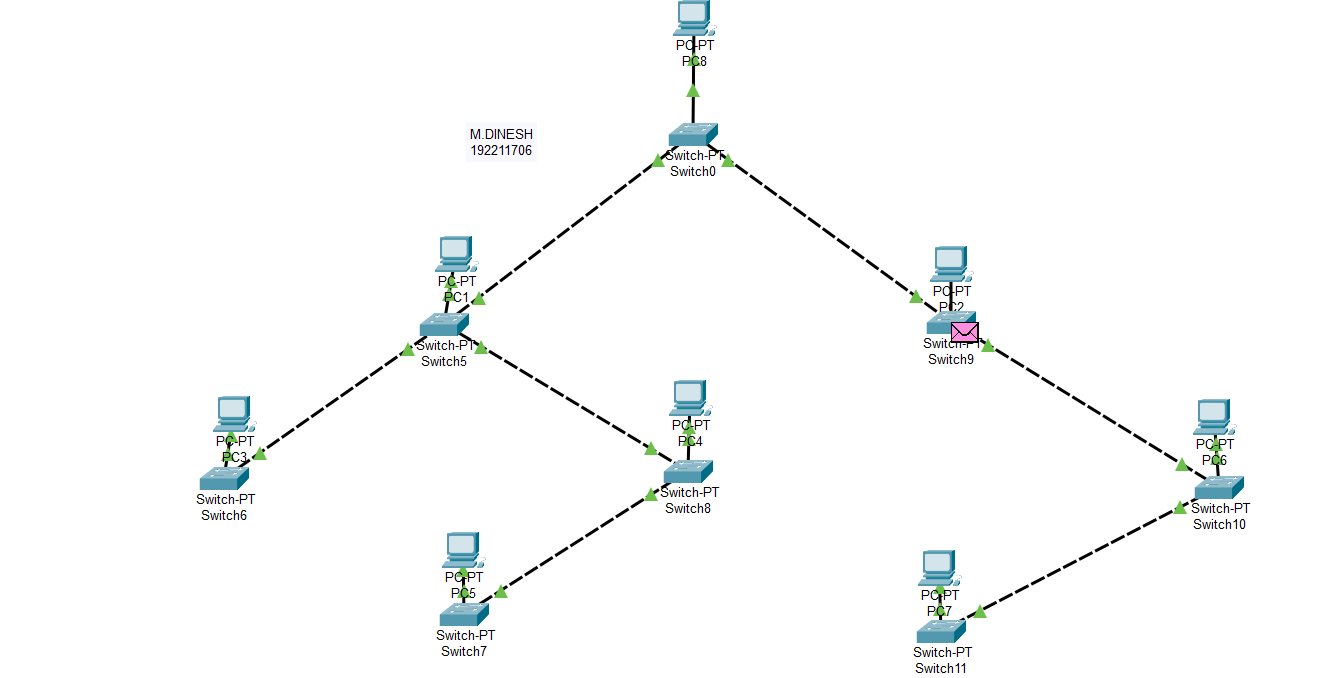


D CHANDU

192211232

**EXPRIMENT-6**

**TREE TOPOOGY**

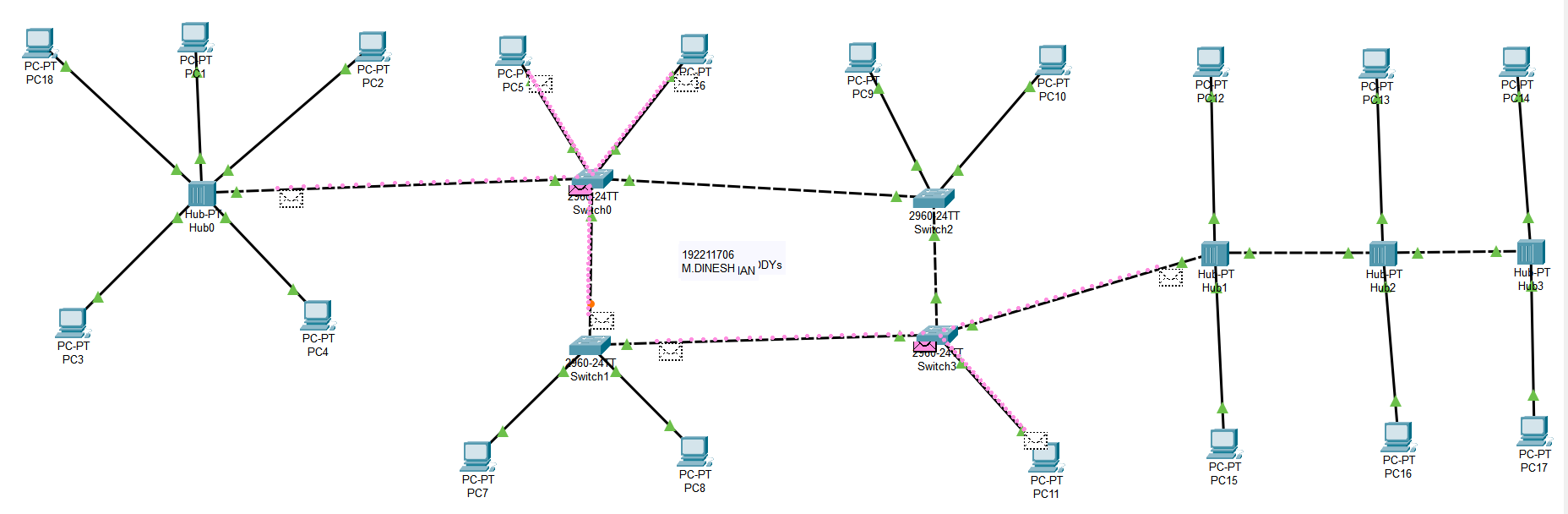
****

D CHANDU

192211232

**EXPERIMENT-7**

**HYBRID TOPOLOGY**

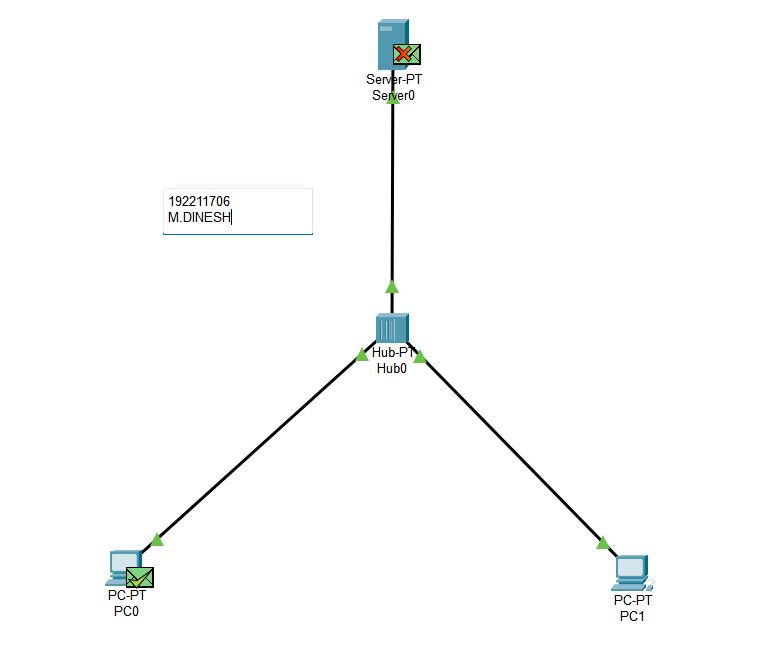


D CHANDU

192211232

**EXPERIMENT-8**

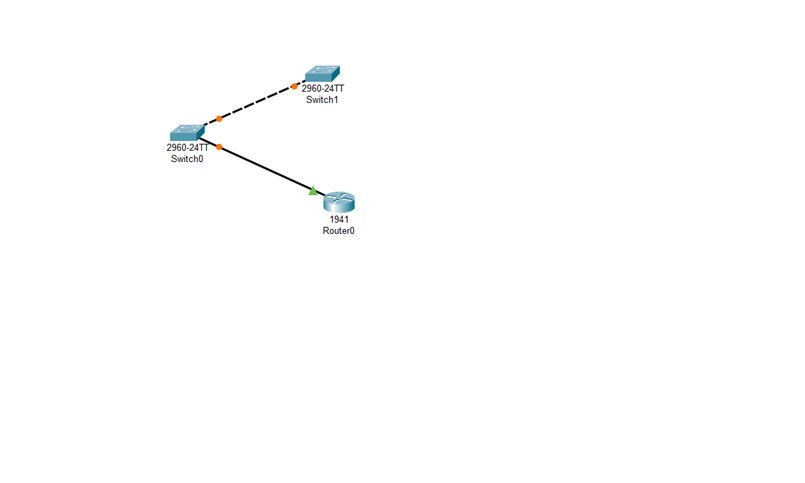
**DATA LINK ARP**



D CHANDU

192211232

**EXPERIMENT-9: DATA LINK LLDP**

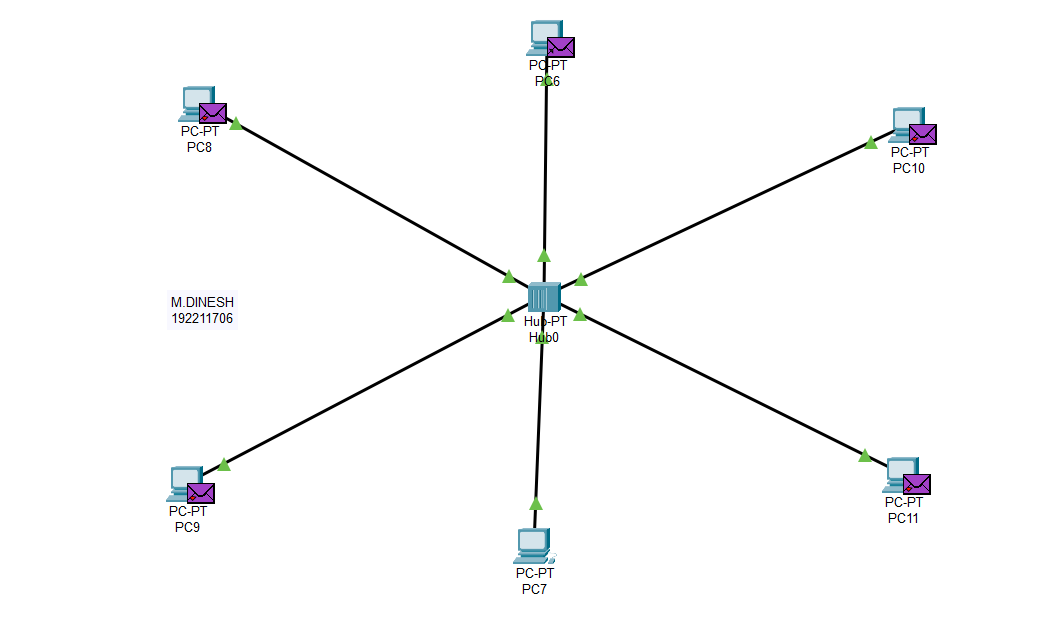
**EXPERIMENT-10 DATA CSMA**

D CHANDU

192211232

M.DINESH

192211706

****

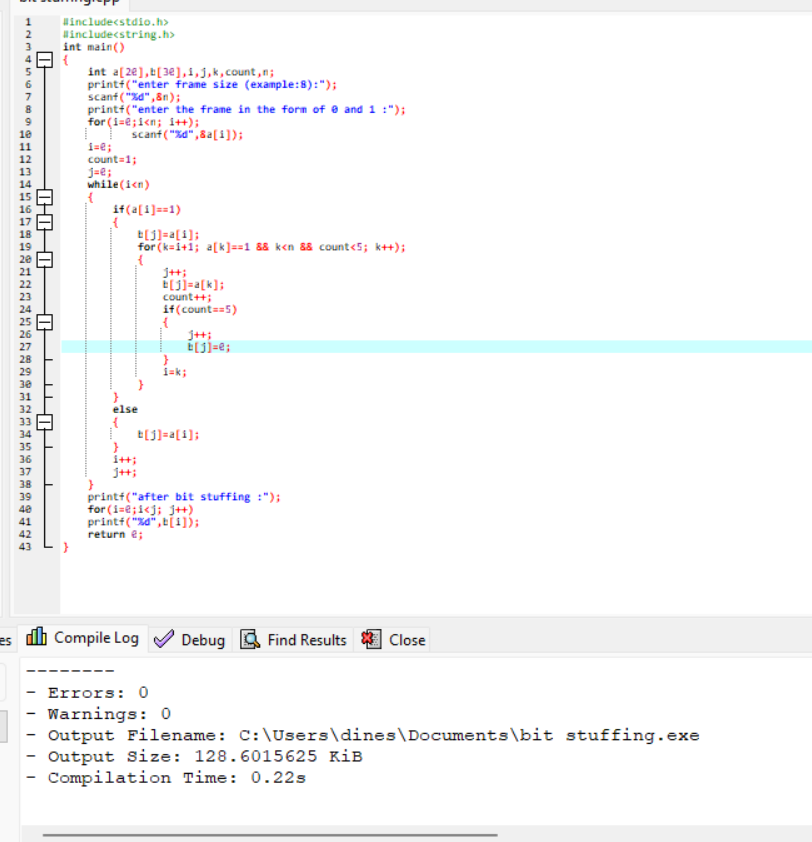
D CHANDU

192211232

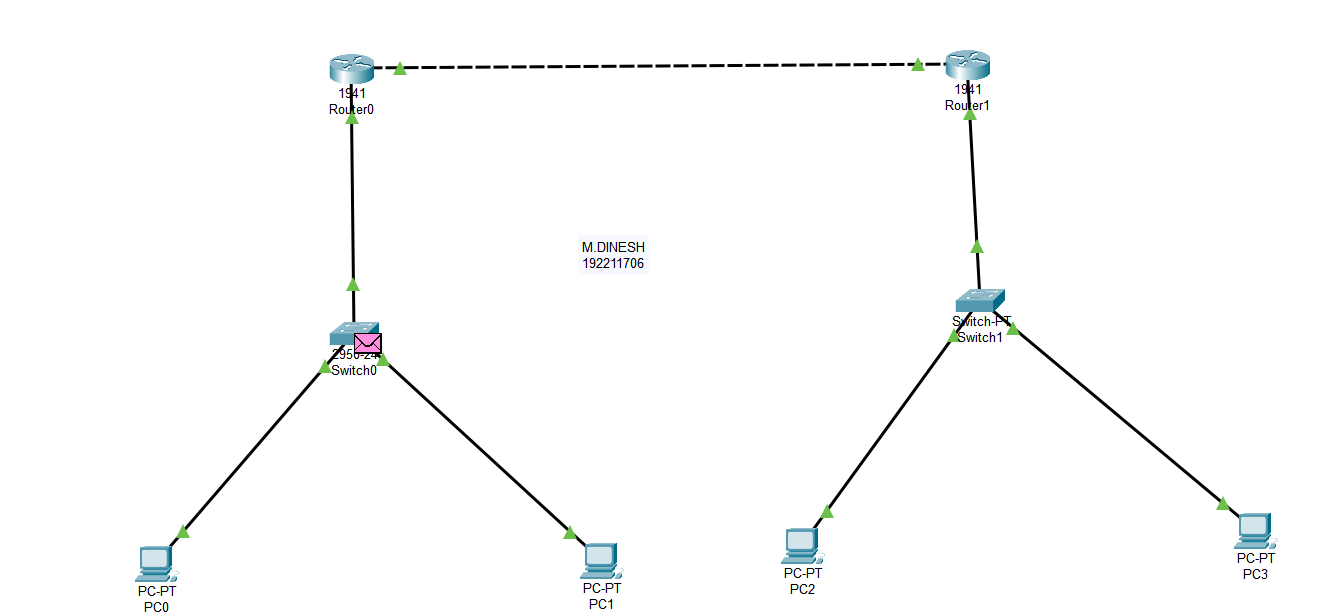
**EXPERIMENT-11: C PROGRAMME FOR BIT STUFFING**

**D CHANDU**

**192211232**

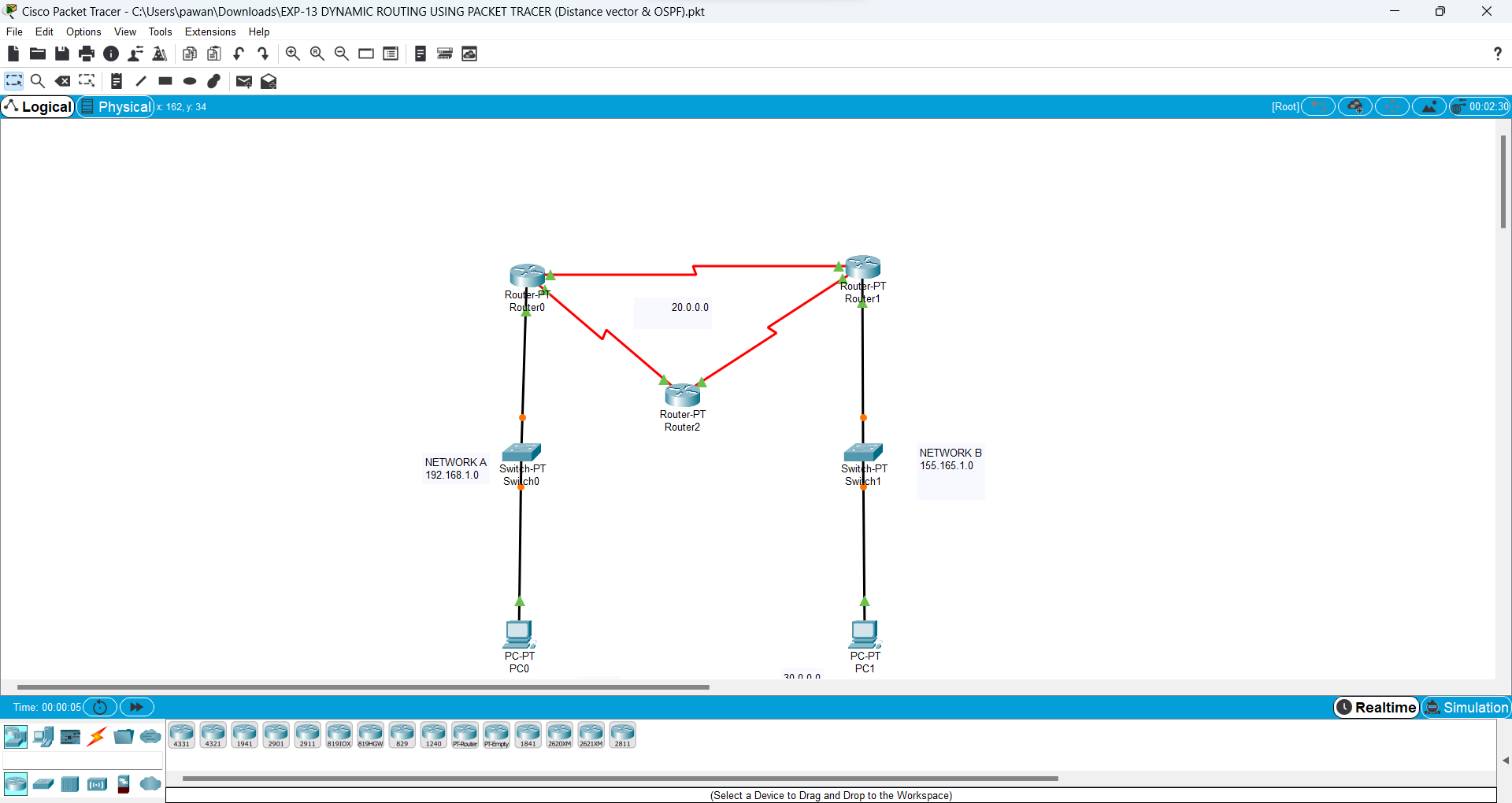


**EXPERIMENT-12: STATIC ROUTING**

****

D CHANDU

192211232

**EXPERIMENT-13: DYNAMIC ROUTING (OSPF)**

CH. MOHAN KRISHNA

192211852

M.DINESH

192211706

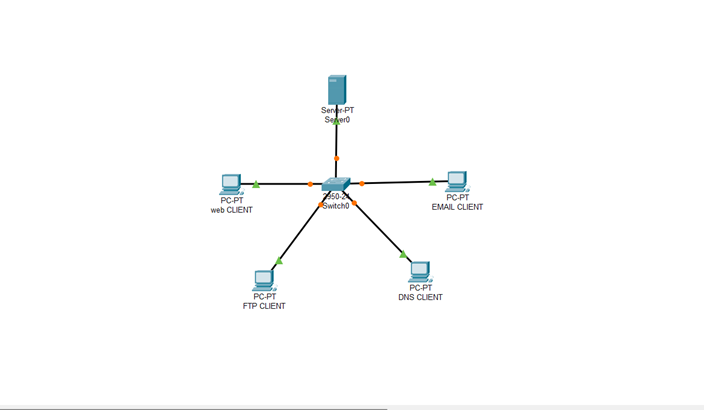
**EXPERIMENT-14: FUNCTIONALITIES OF TCP**

D CHANDU

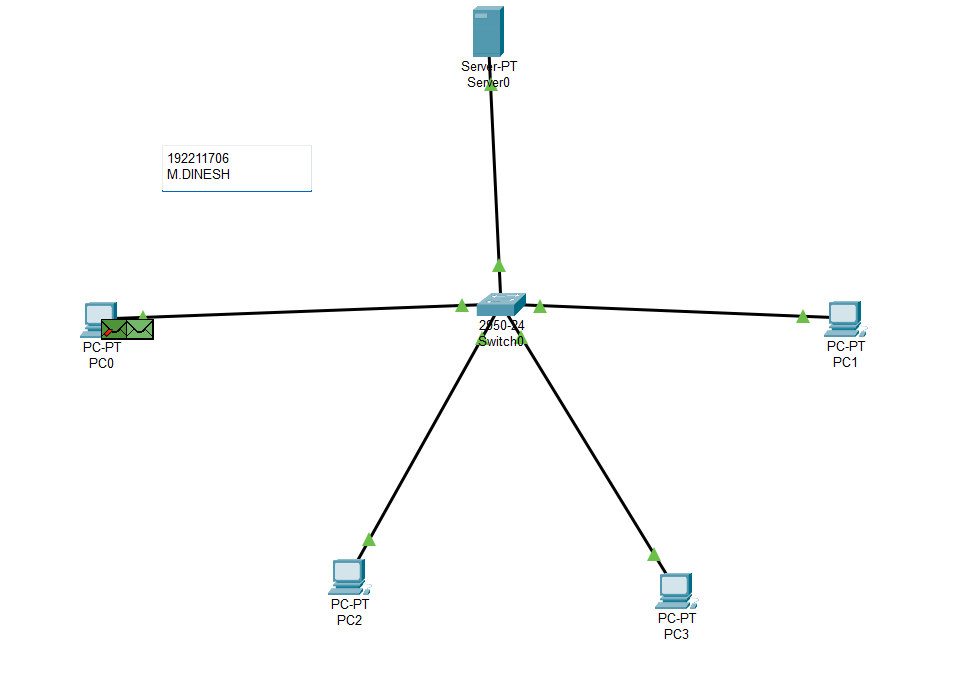
192211232

M.DINESH

192211706



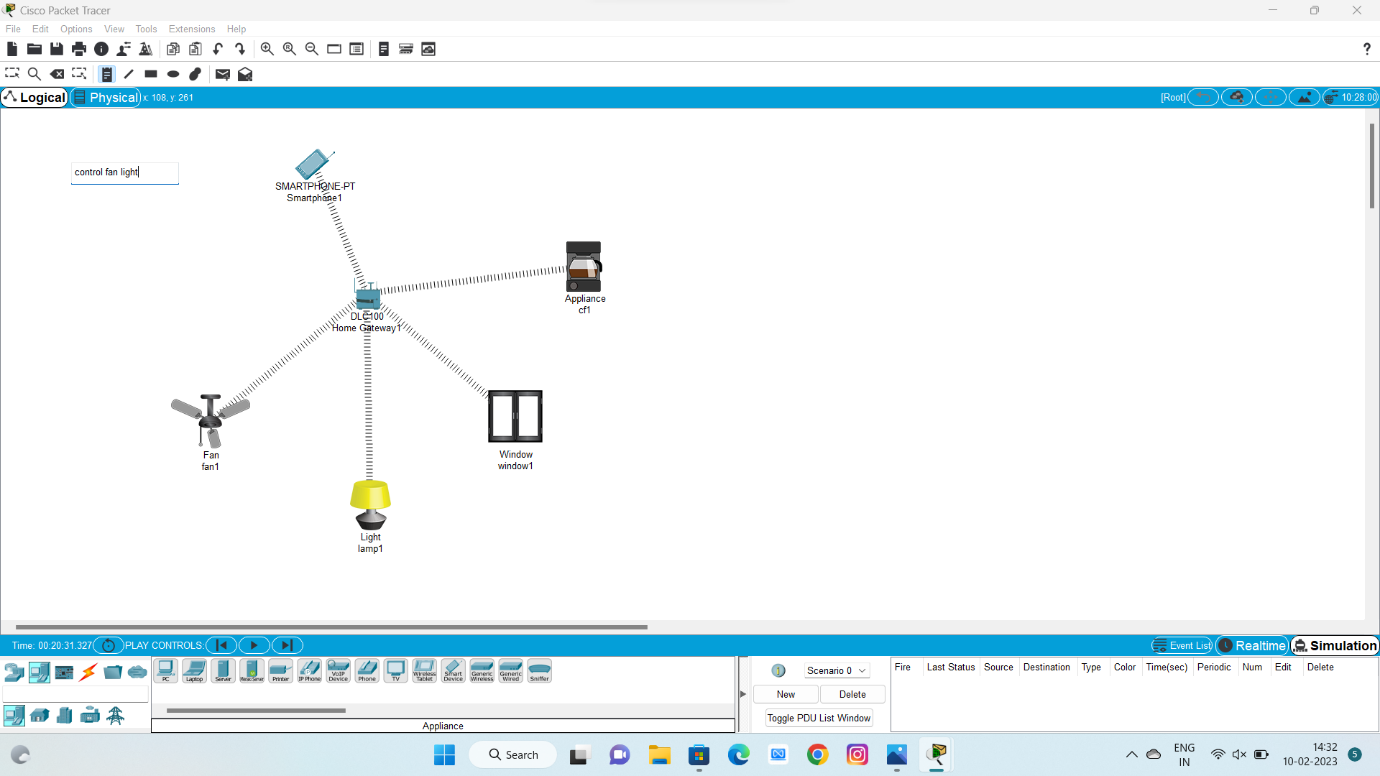
**EXPERIMENT-15: FUNCTIONALITIES OF UDP**



D CHANDU

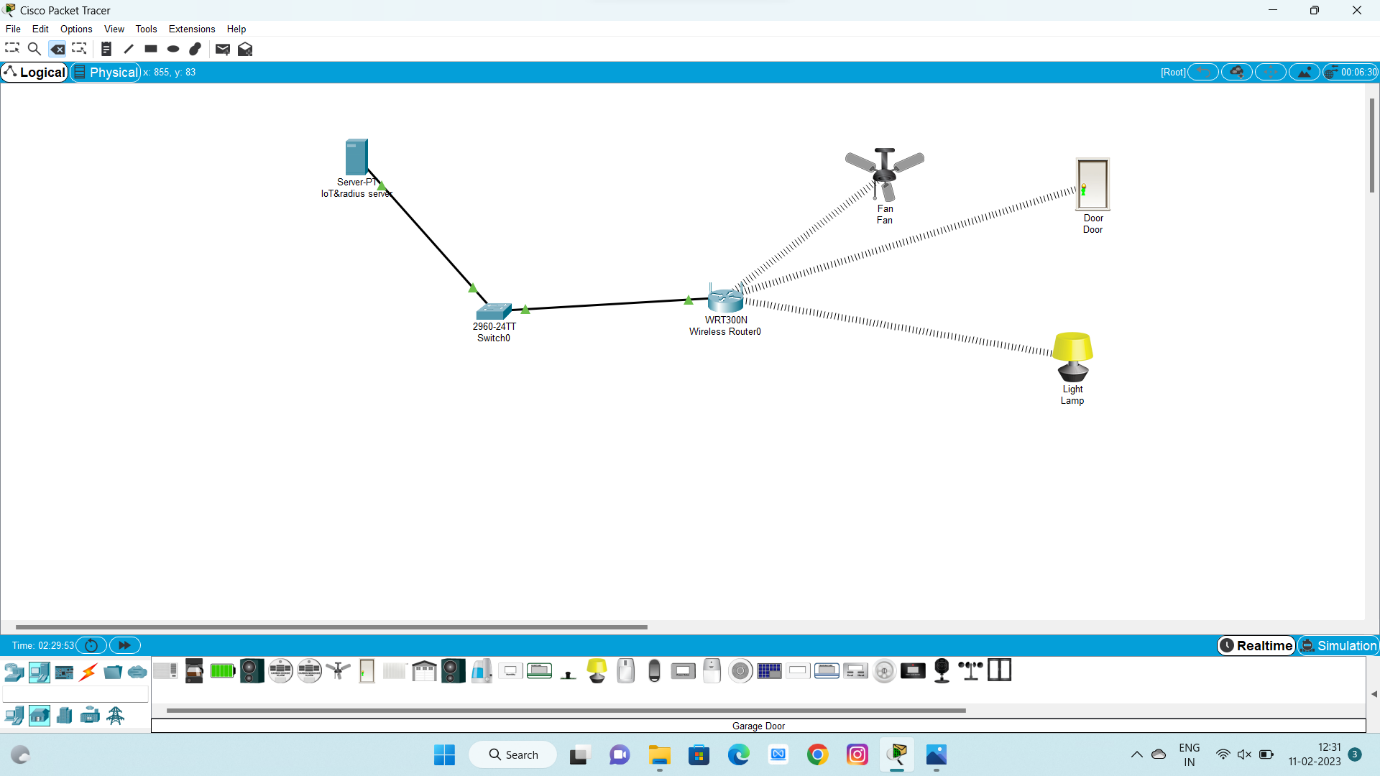
192211232

**SMART HOME**



M.THIRUMALA MANOHAR

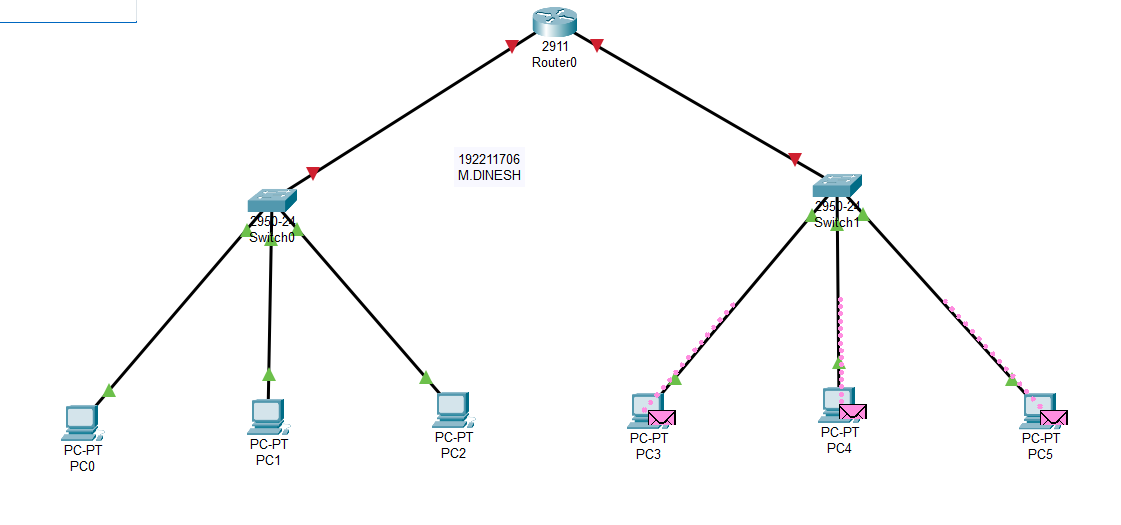
192211851



M.THIRUMALA MANOHAR

192211851

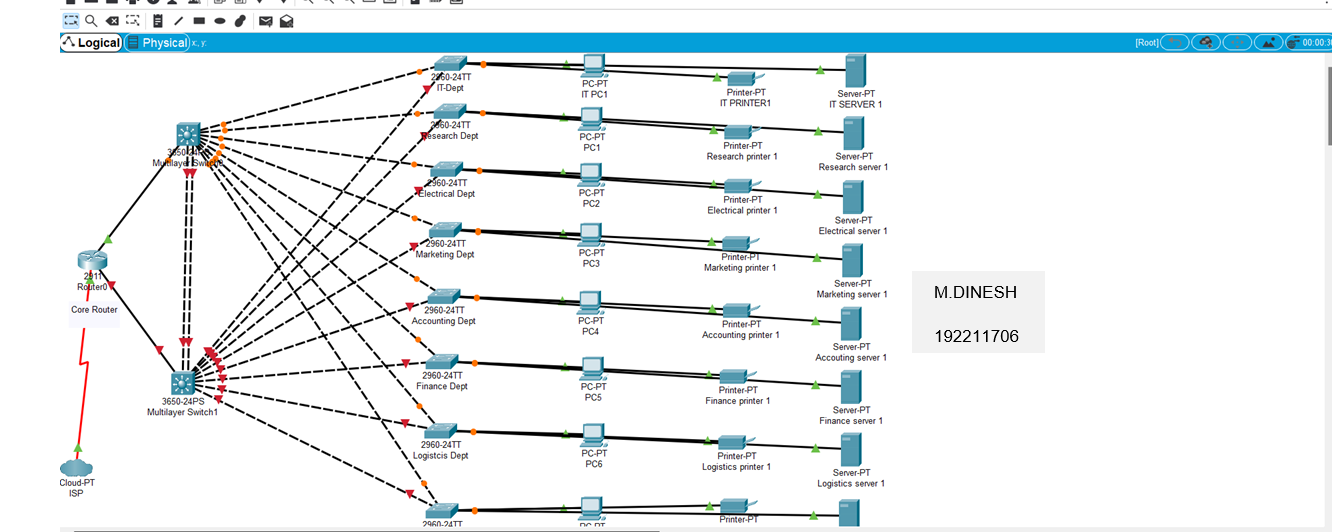
**EXPERIMENT-16: CLASS C ADRESSING**



D CHANDU

192211232

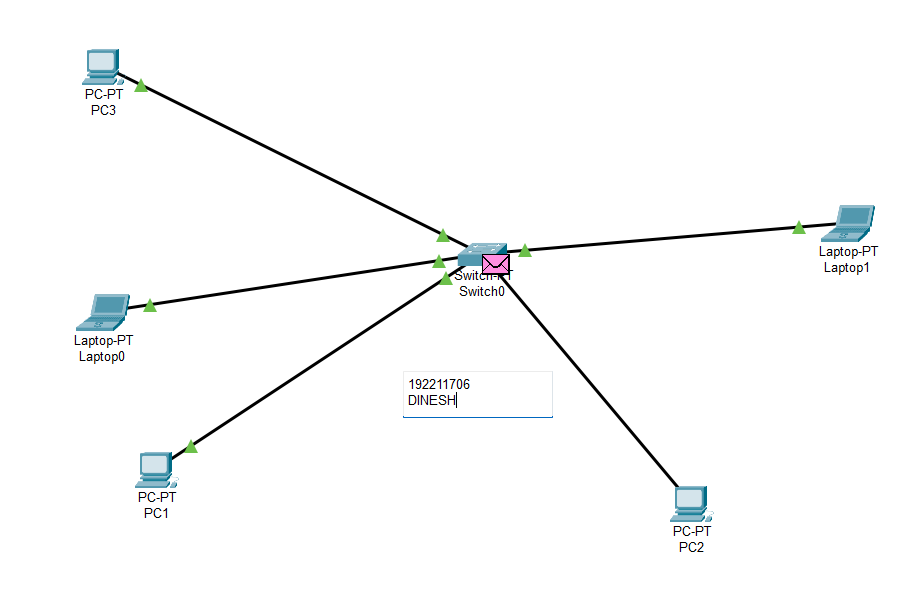
1

**EXPERIMENT-19: XYZ NETWORKS**

D CHANDU

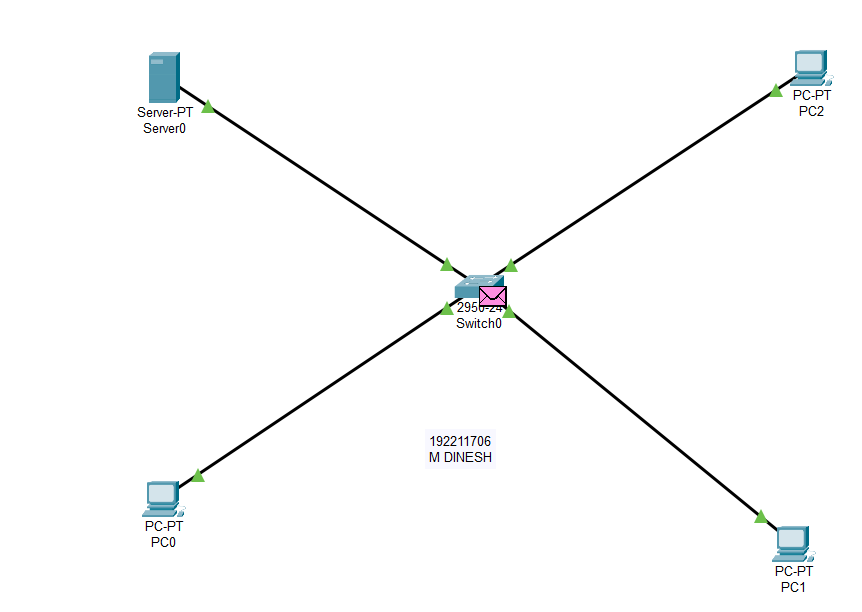
192211232

**EXPERIMENT-20: DHCP**



D CHANDU

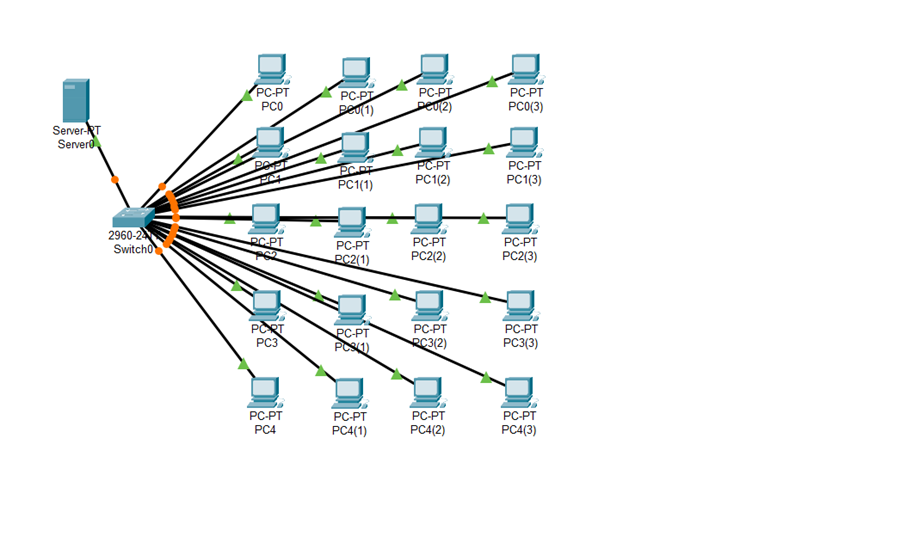
192211232

**EXPERIMENT-21: FIRE WALL**

D CHANDU

192211232

**EXPERIMENT-22: C LAB**

****

D CHANDU

192211232

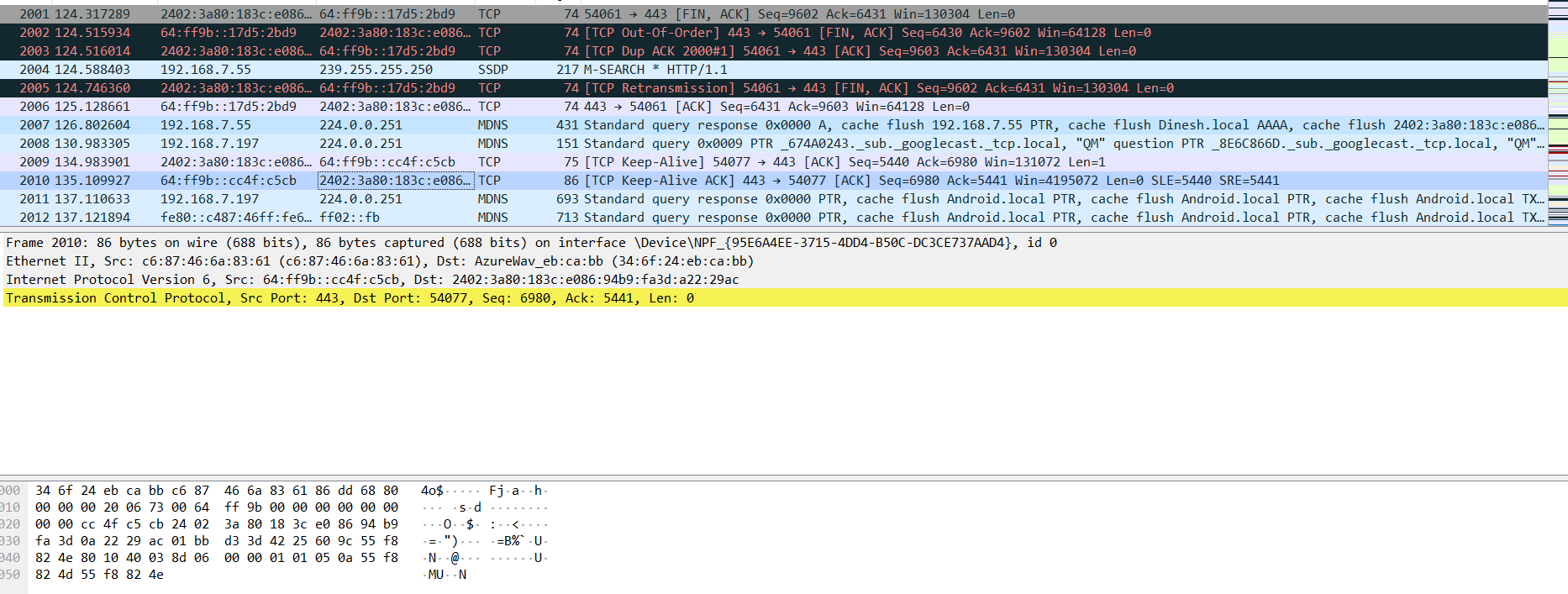
M.DINESH

19221106

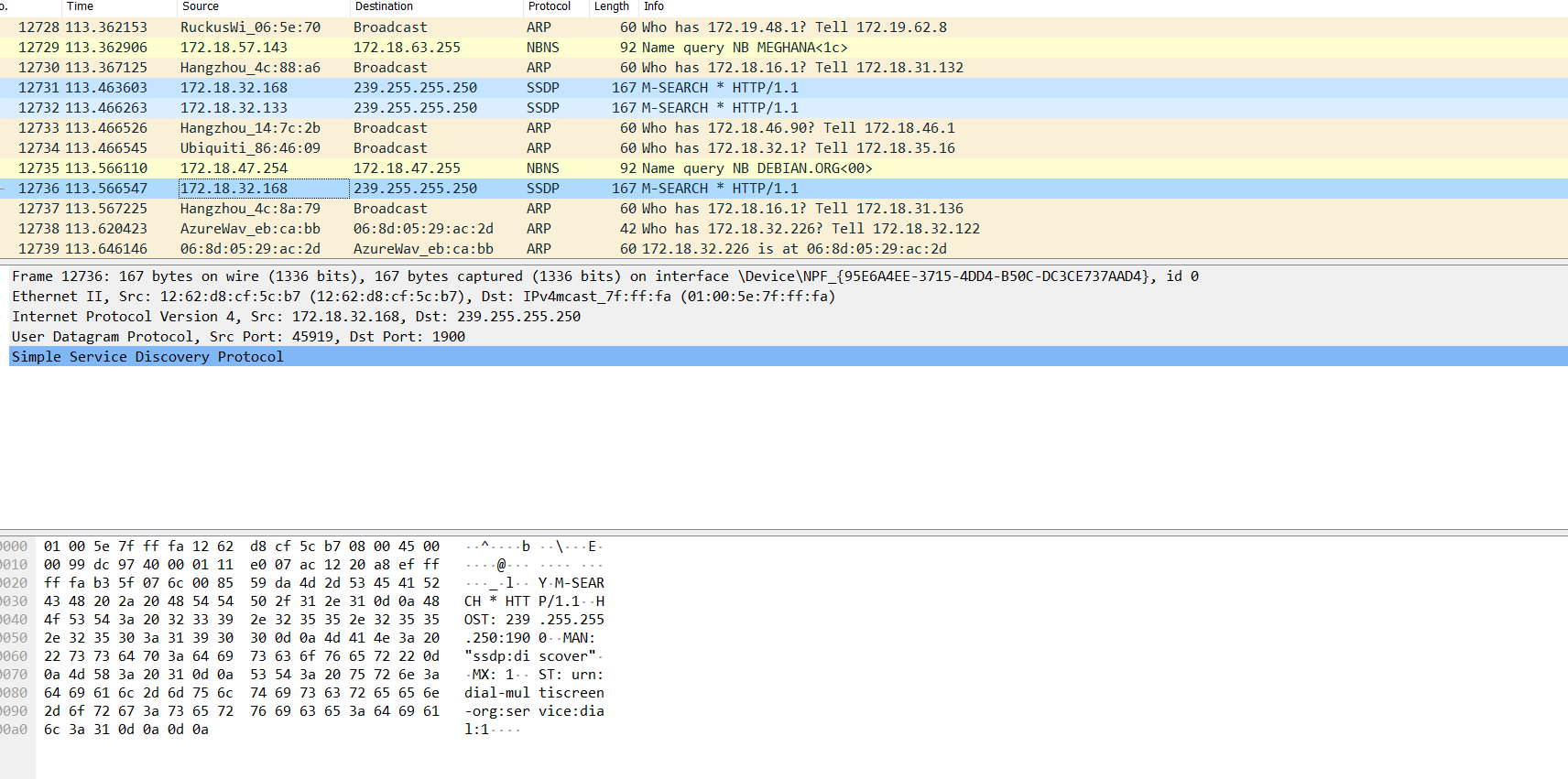
M.DINESH

192211706

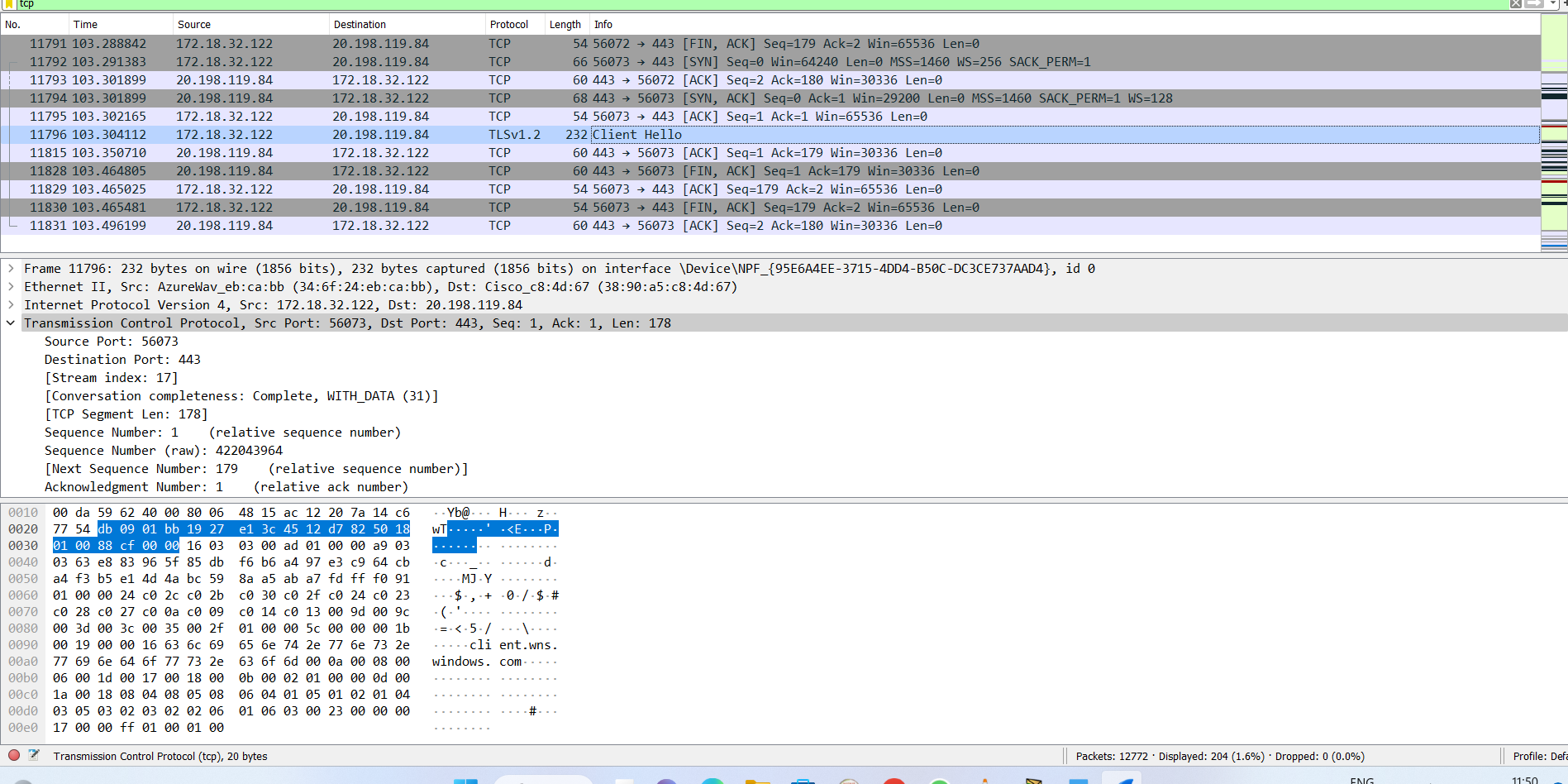
**EXPERIMENT-23: TCP WIRE SHARK**

****

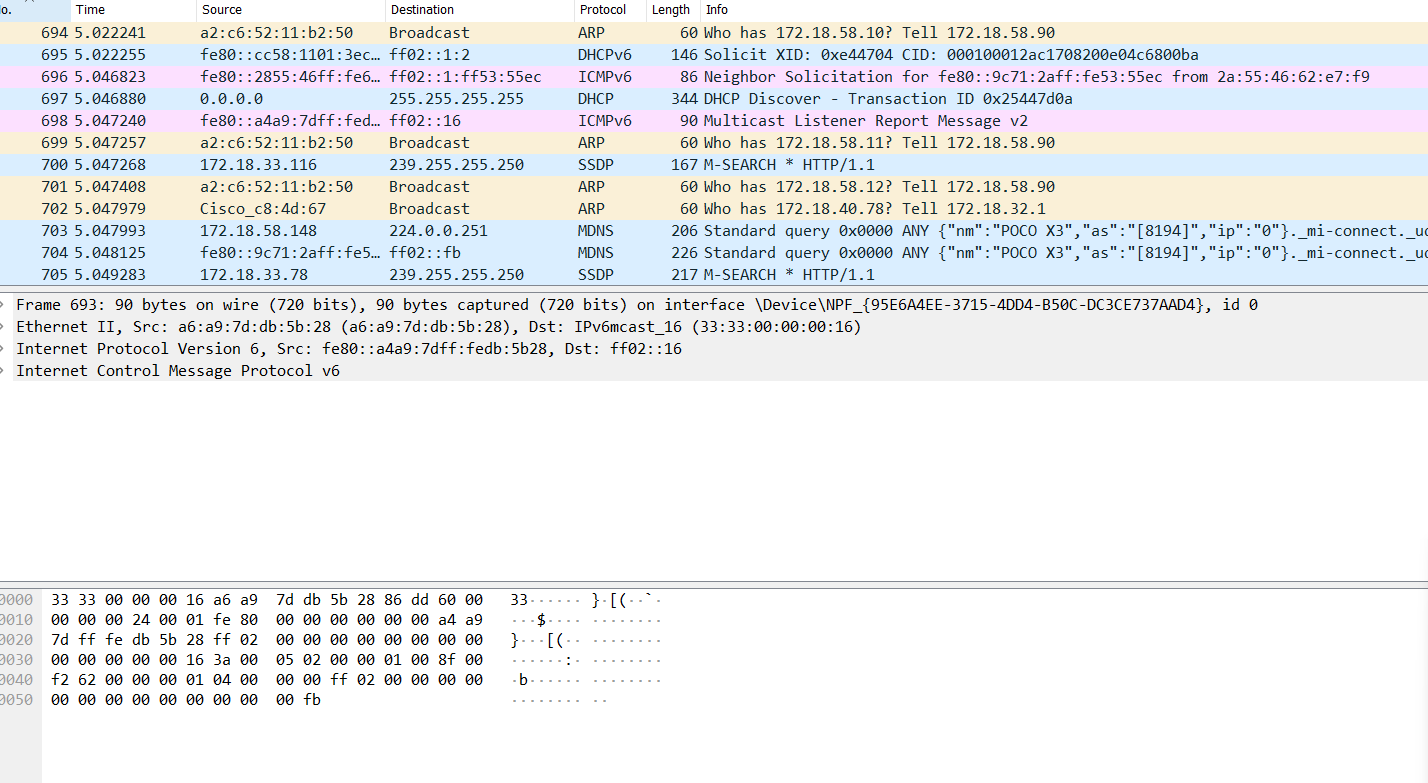
**EXPERIMENT-24: SMDP WIRE SHARK**

****

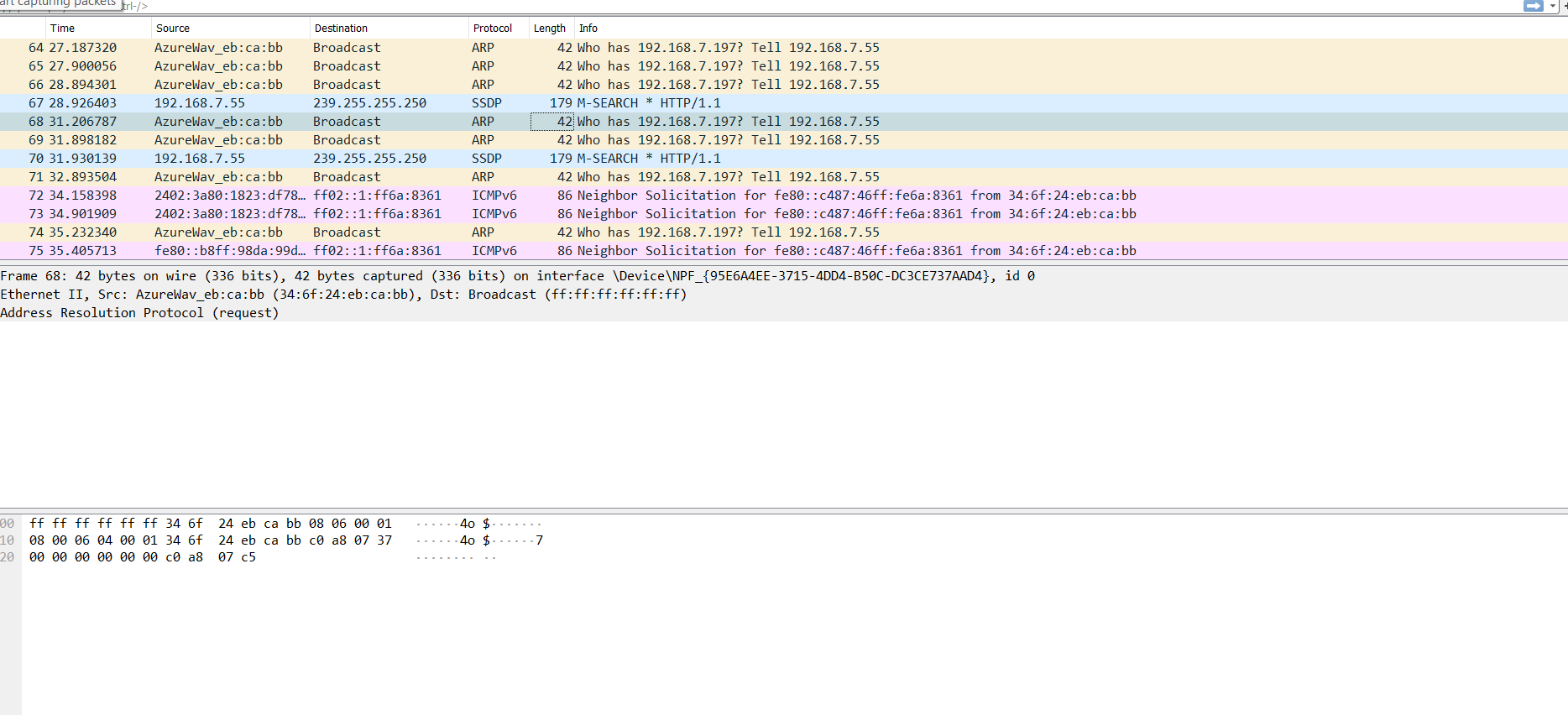
**EXPERIMENT-25: TCP**

****

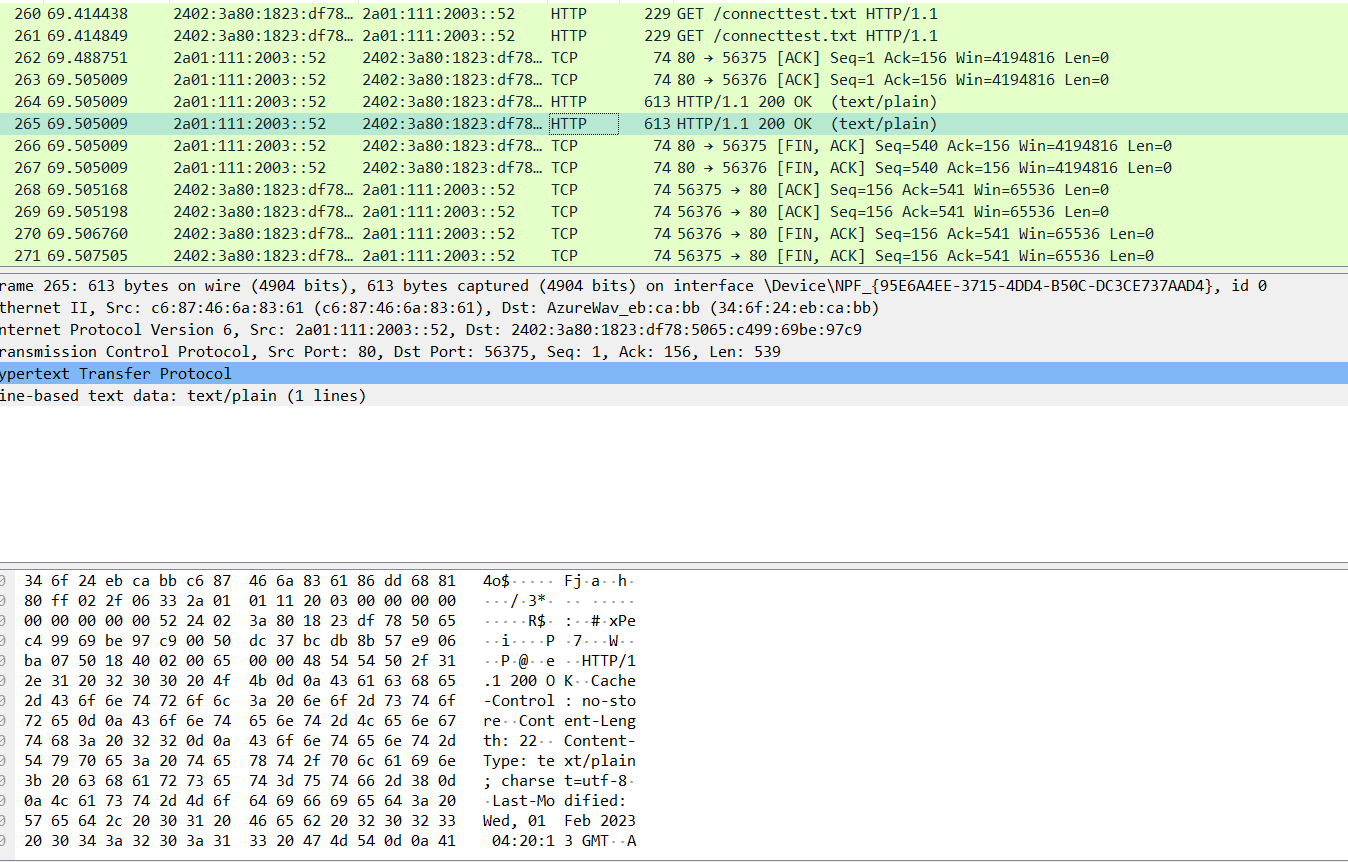
**EXPERIMENT-26: UDP**

****

**EXPERIMENT-27: ADP**

****

**EXPERIMENT-28: HTTP**

****