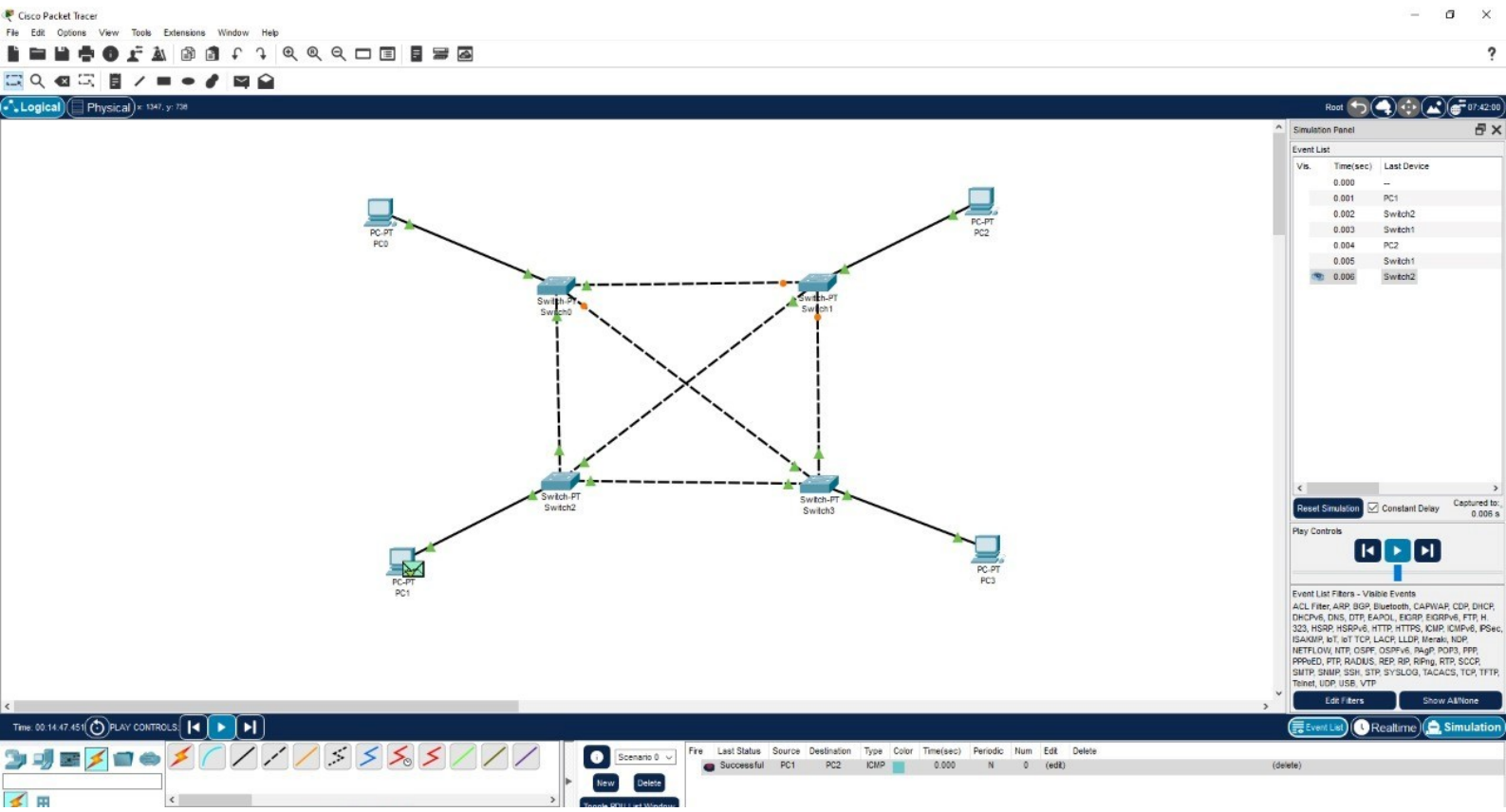
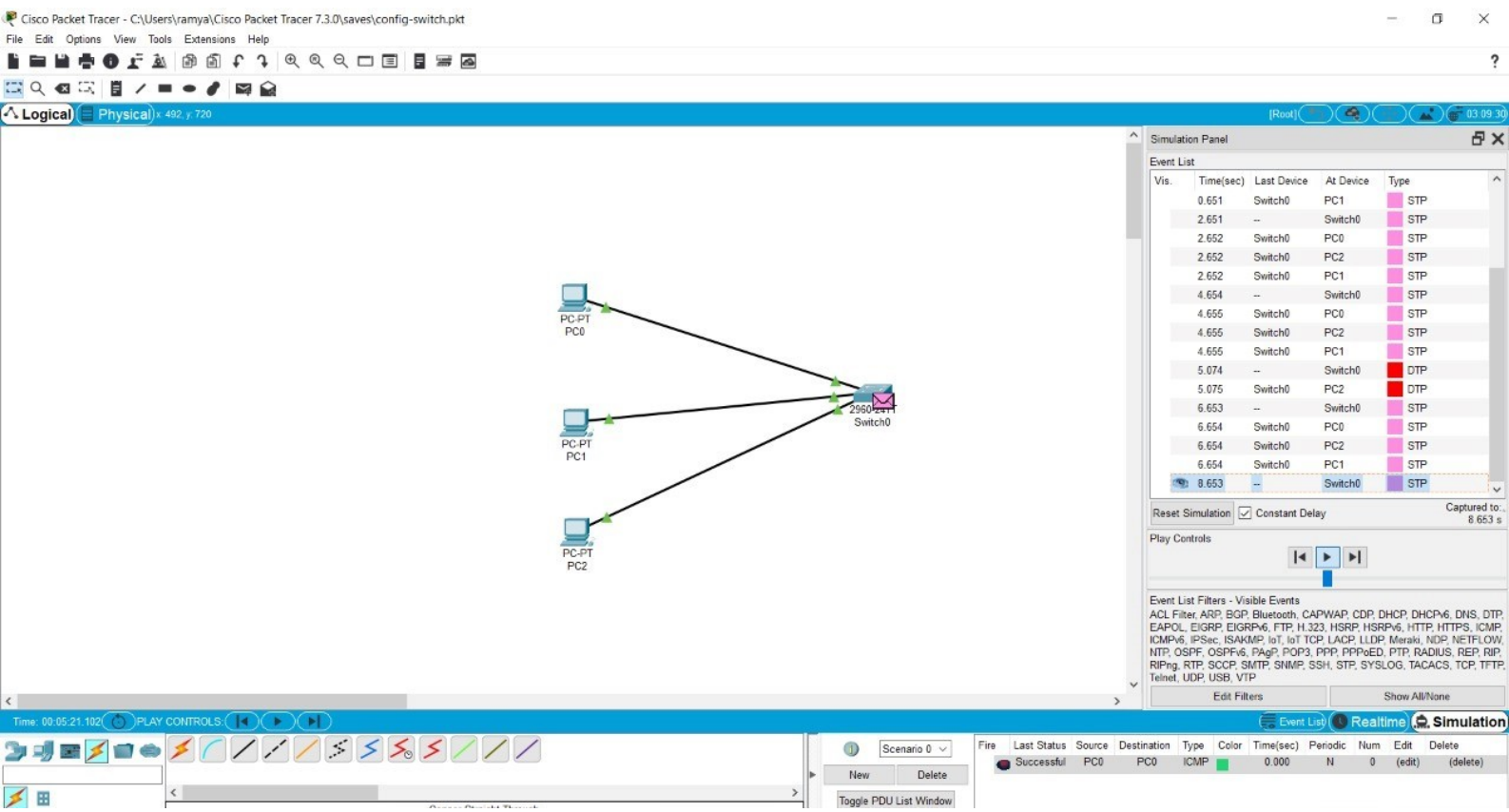

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical
PC-PT PC0
PC-PT PC2
Switch-PT Switch0
Switch-PT Switch1
Switch-PT Switch2
Switch-PT Switch3
PC-PT PC1
PC-PT PC3
Simulation Panel
Event List
Vis. Time(sec) Last Device
0.000 --
0.001 PC1
0.002 Switch2
0.003 Switch1
0.004 PC2
0.005 Switch1
0.006 Switch2
Reset Simulation
Constant Delay
Play Controls
Event List Filters - Visible Events
Edit Filters
Show All/None
Realtime
Simulation
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC1 PC2 ICMP 0.000 N 0 (edit) (delete)


Cisco Packet Tracer - C:\Users\ramya\Cisco Packet Tracer 7.3.0\saves\config-switch.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
PC-PT PC0
PC-PT PC1
PC-PT PC2
2960-24TT Switch0
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type
0.651 Switch0 PC1 STP
2.651 -- Switch0 STP
2.652 Switch0 PC0 STP
2.652 Switch0 PC2 STP
2.652 Switch0 PC1 STP
4.654 -- Switch0 STP
4.655 Switch0 PC0 STP
4.655 Switch0 PC2 STP
4.655 Switch0 PC1 STP
5.074 -- Switch0 DTP
5.075 Switch0 PC2 DTP
6.653 -- Switch0 STP
6.654 Switch0 PC0 STP
6.654 Switch0 PC2 STP
6.654 Switch0 PC1 STP
8.653 -- Switch0 STP
Reset Simulation
Constant Delay
Captured to: 8.653 s
Play Controls
Event List Filters - Visible Events
ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP
Edit Filters
Show All/None
Time: 00:05:21.102
PLAY CONTROLS:
Event List
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC0 PC0 ICMP 0.000 N 0 (edit) (delete)

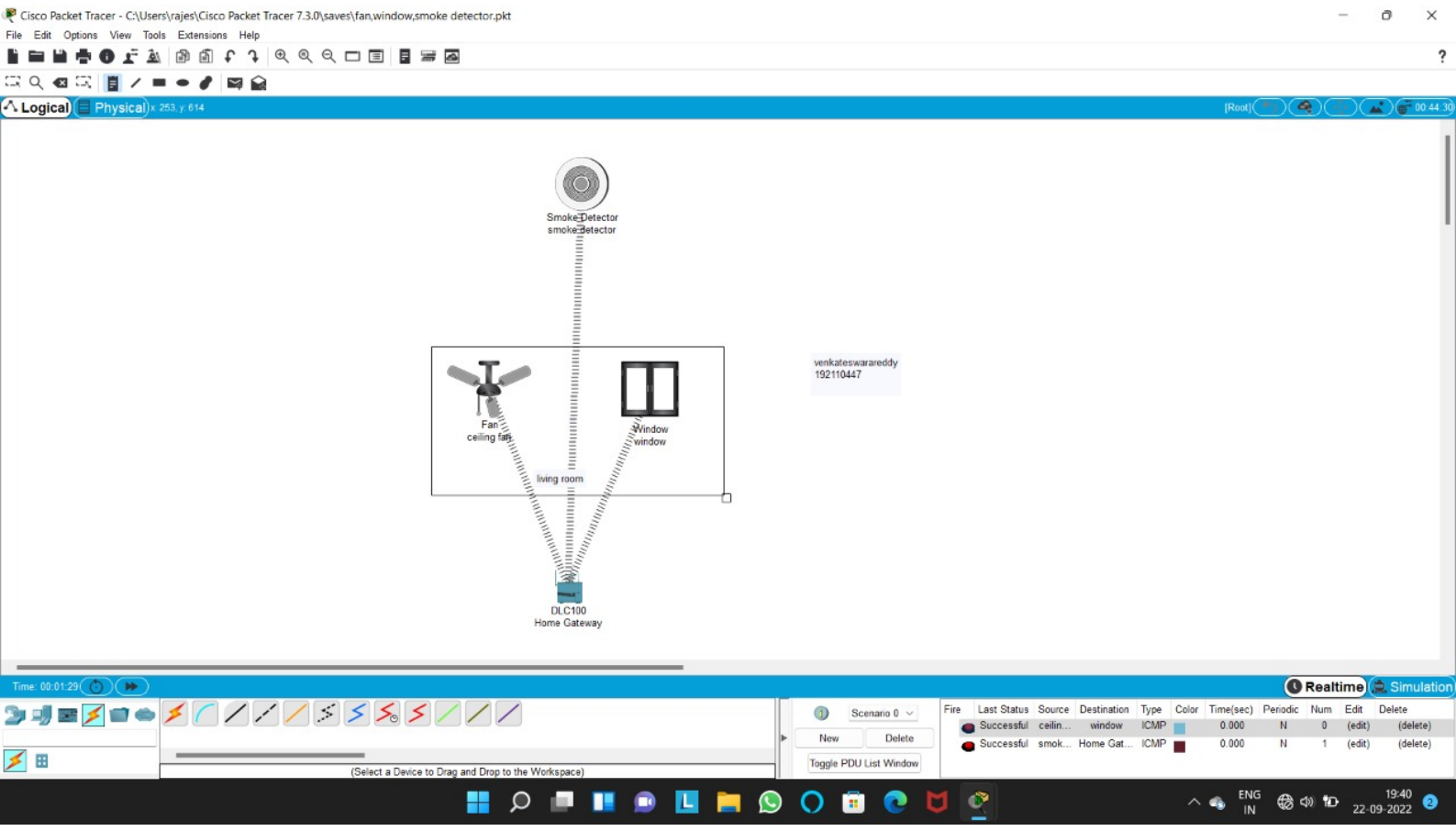
SAVEETHA SCHOOL OF ENGINEERIING,
SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES
CHENNAI-602105

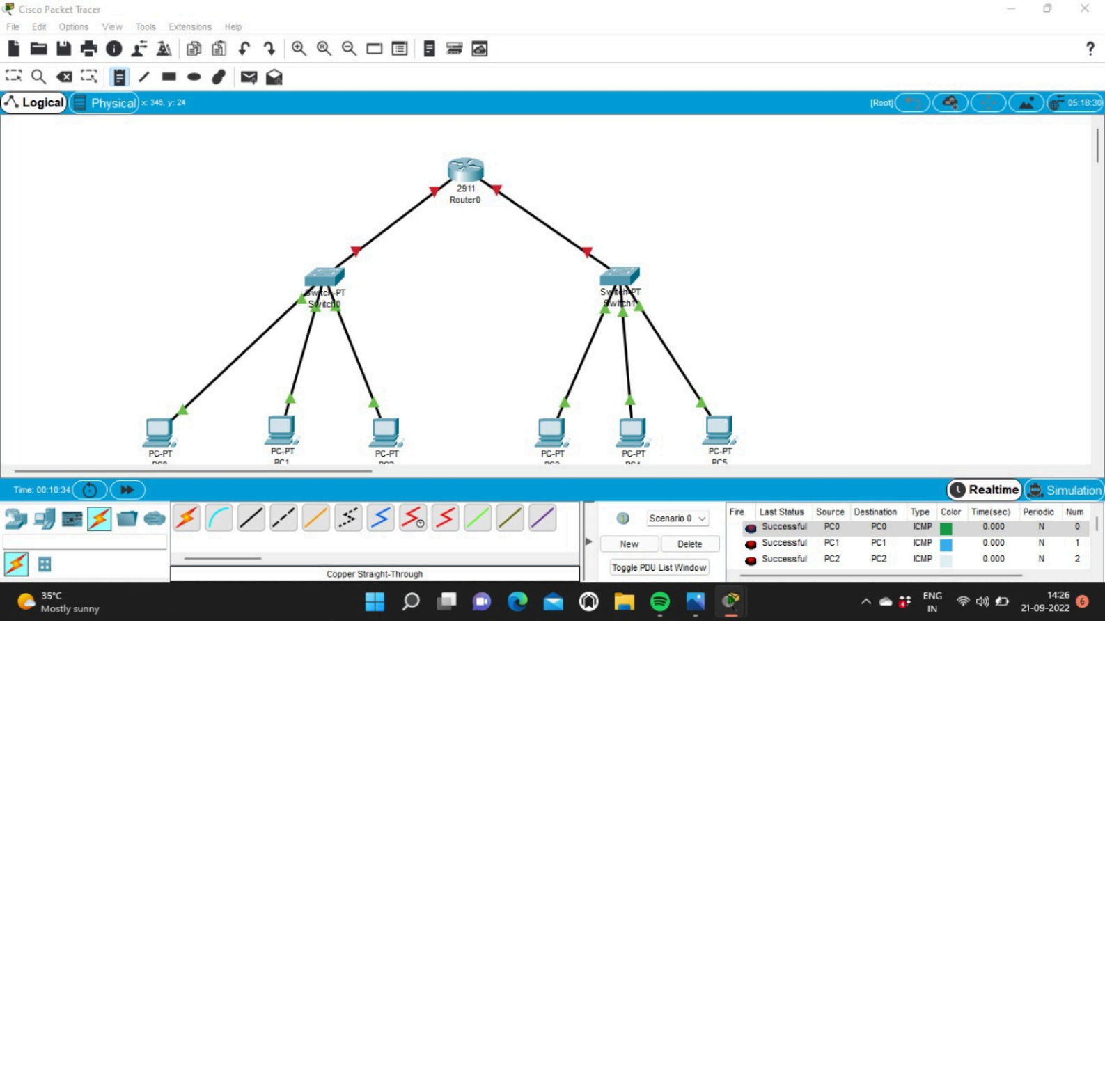
Subject: Computer Networks for Information Services

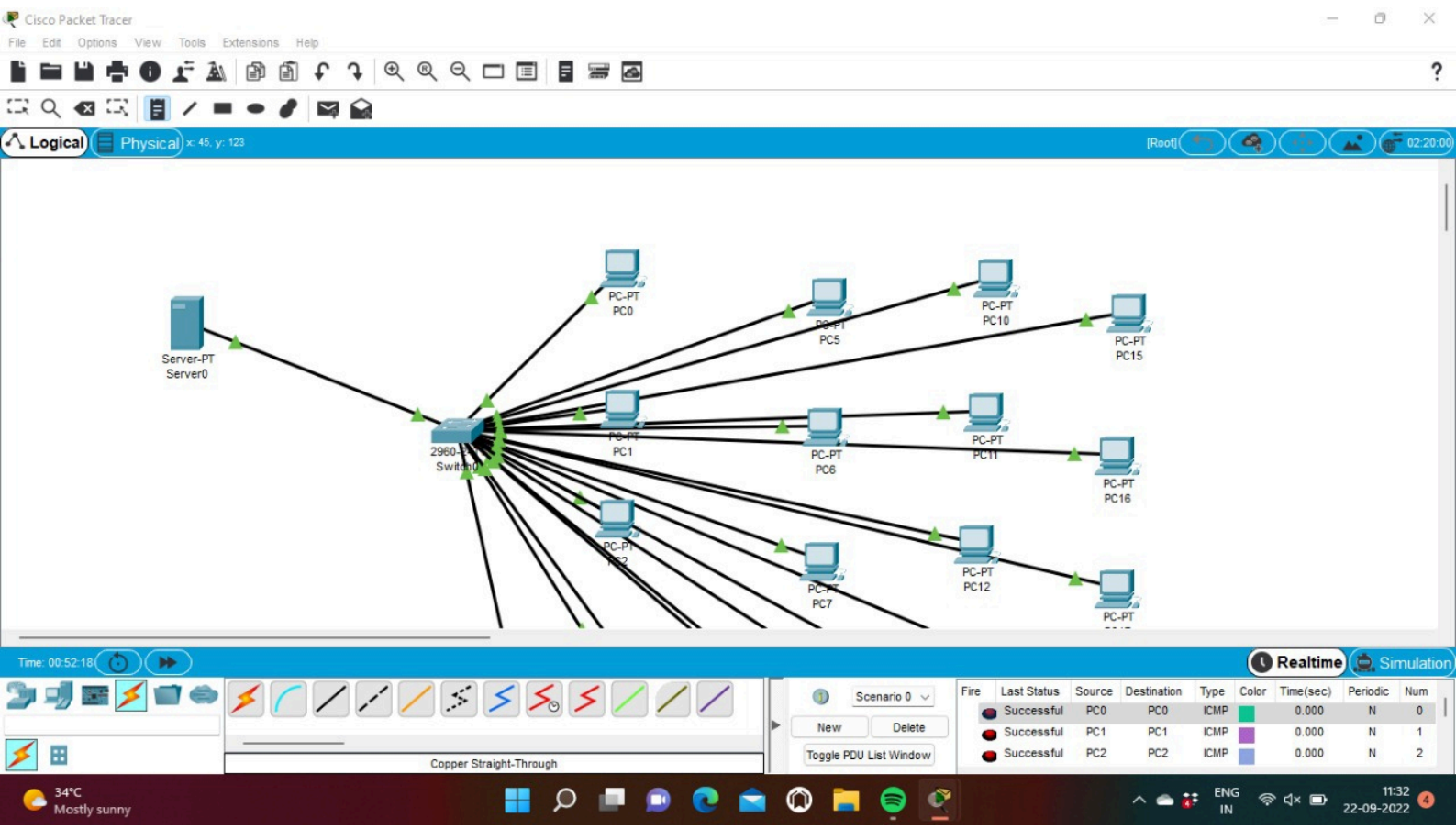
Subject Code: CSA0718 Faculty: Dr B B Beenarani

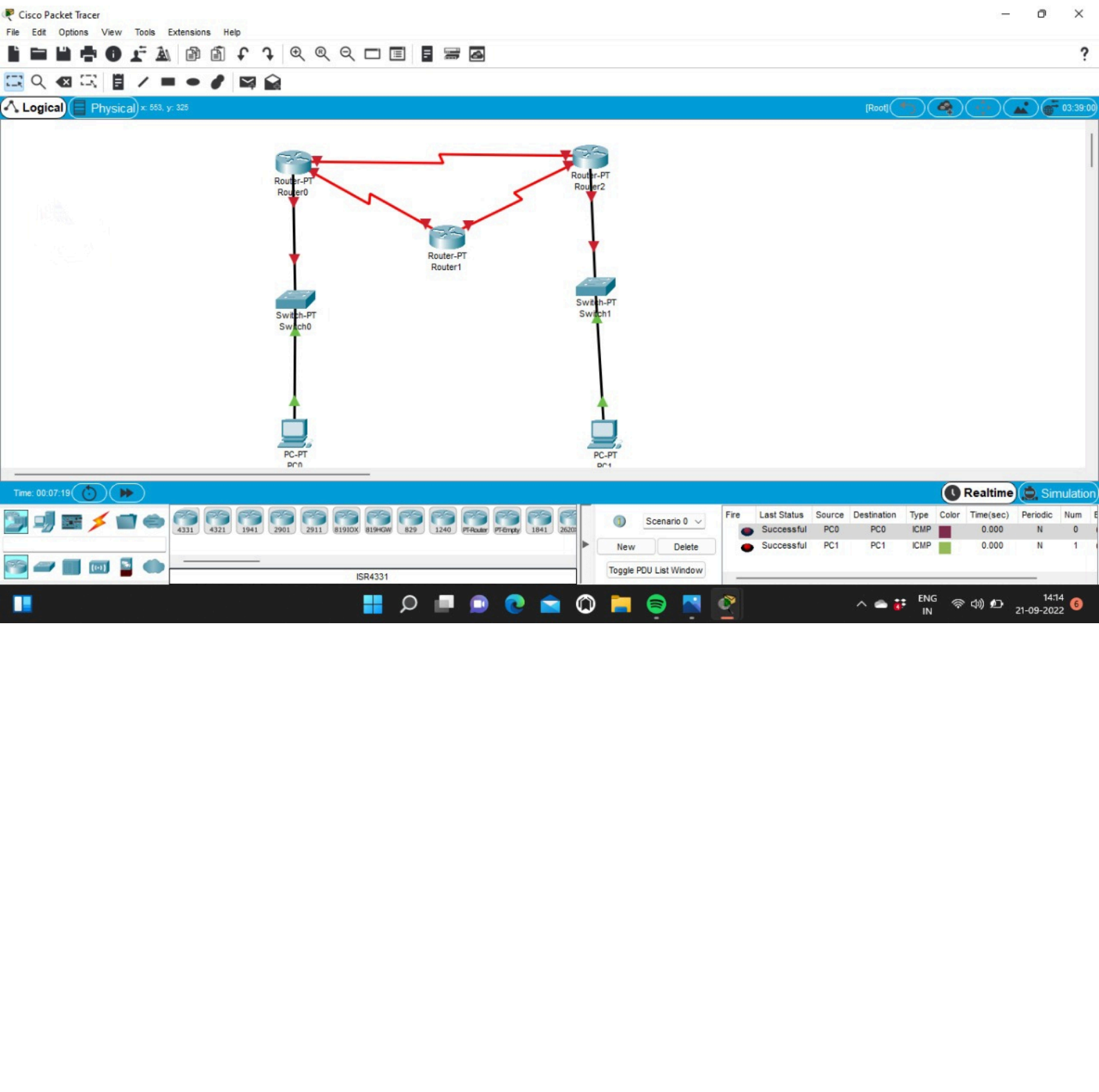
List of Experiments

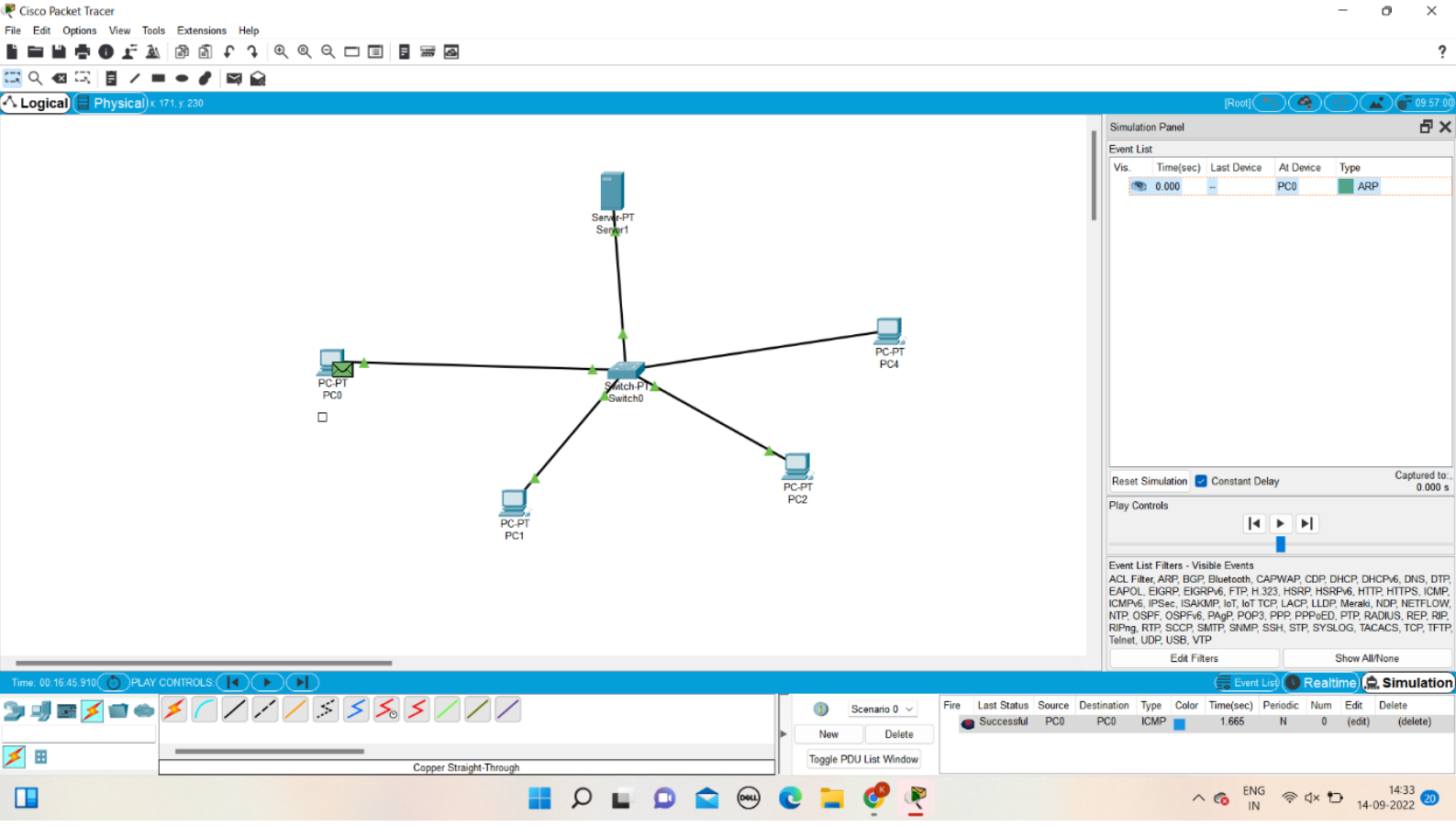
S. No.	Experiment
1.	Configuration of Network Devices (Hub, Switch, Ethernet, Broadcast)
2	Configuration of Topologies (Star, Bus,)
3	Configuration of Topologies (Ring, Mesh,)
4	Configuration of Topologies (Hybrid, Tree)
5	Data Link Layer Traffic Simulation Analysis of ARP
6	Data Link Layer Traffic Simulation Analysis of LLDP
7	Static Routing Analysis
8	Dynamic Routing (OSPF)
9	Functionalities of TCP, UDP
10	TCP, UDP Exploration Solution
11	Subnetting – Class C Addressing
12	Network Design for XYZ Company
13	Designing and Configuration of Computer Lab
14	Analysis of TCP streaming with filtering
15	Configuration of IOT based Smart Home
16	Filtering of Packets using ICMP and ARP with packet Length details
17	Network layer protocol analysis with IPV4 and IPV6 statistics
18	IOT Based Controller with WPA and Radius Server
19.	Designing Wi-Fi Networks
20.	Simulation of Distance Vector Routing

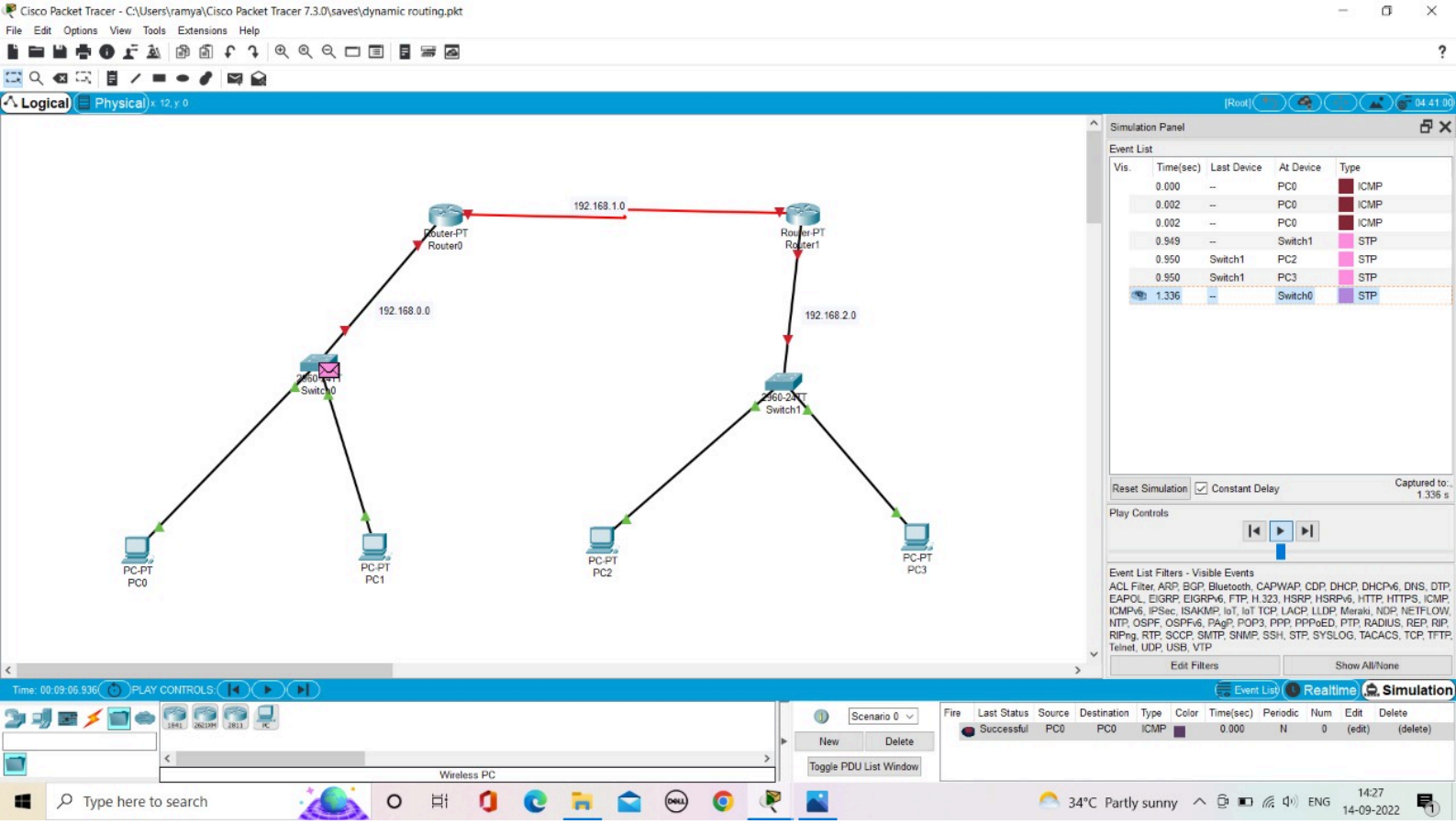

Cisco Packet Tracer - C:\Users\rajes\Cisco Packet Tracer 7.3.0\saves\fan,window,smoke detector.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
Smoke Detector
smoke detector
Fan
ceiling fan
Window
window
living room
DLC100
Home Gateway
venkateswarareddy
192110447
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
(Select a Device to Drag and Drop to the Workspace)
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
ceilin...
window
ICMP
0.000
N
0
(edit)
(delete)
Successful
smok...
Home Gat...
ICMP
0.000
N
1
(edit)
(delete)
ENG
IN
19:40
22-09-2022

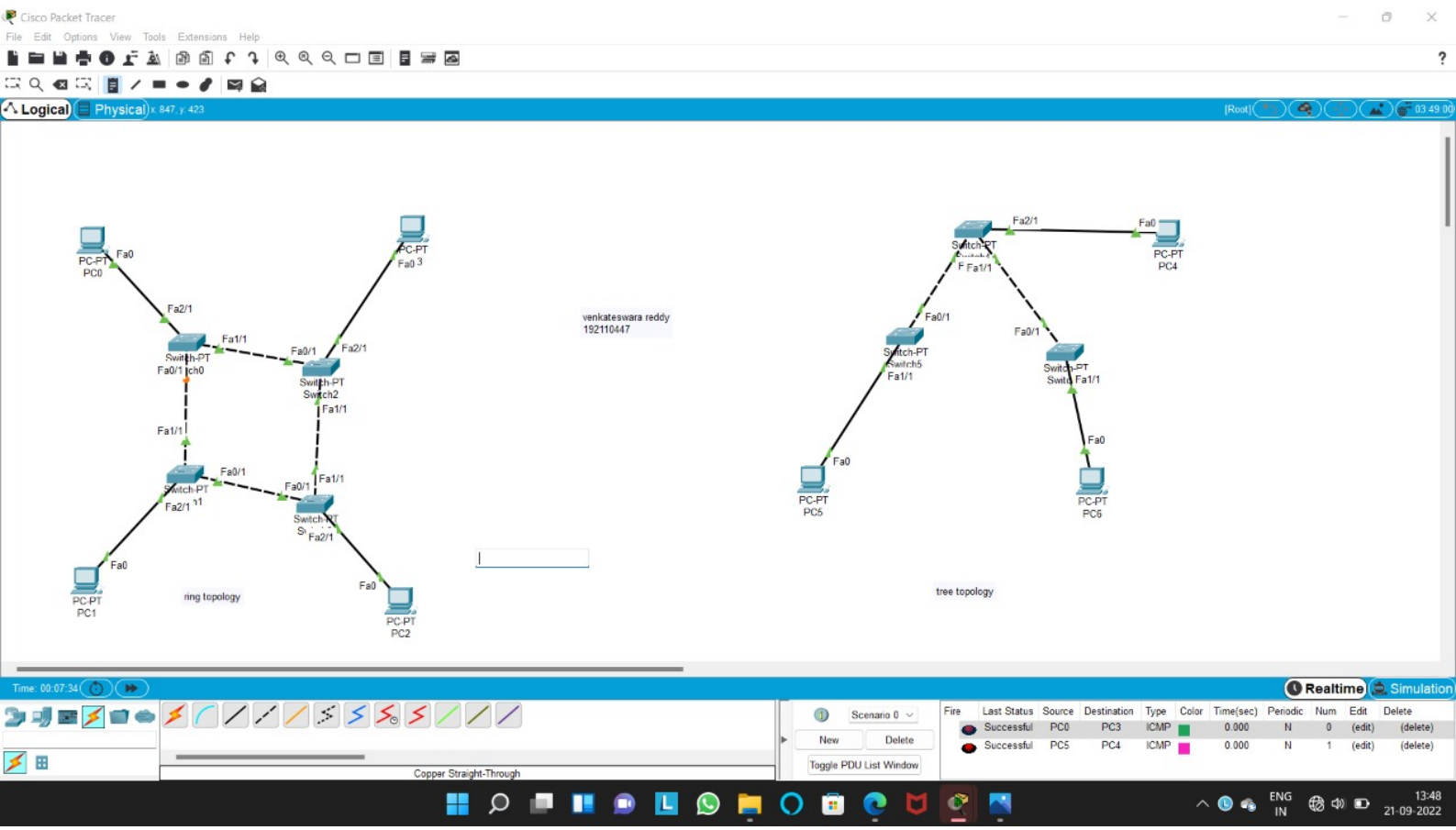

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 348, y: 24
[Root]
05:18:30
2911
Router0
Switch-PT
Switch0
Switch-PT
Switch1
PC-PT
PC1
PC-PT
PC-PT
PC-PT
PC-PT
PC-PT
Time: 00:10:34
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Successful PC0 PC0 ICMP 0.000 N 0
Successful PC1 PC1 ICMP 0.000 N 1
Successful PC2 PC2 ICMP 0.000 N 2
35°C
Mostly sunny
ENG
IN
14:26
21-09-2022

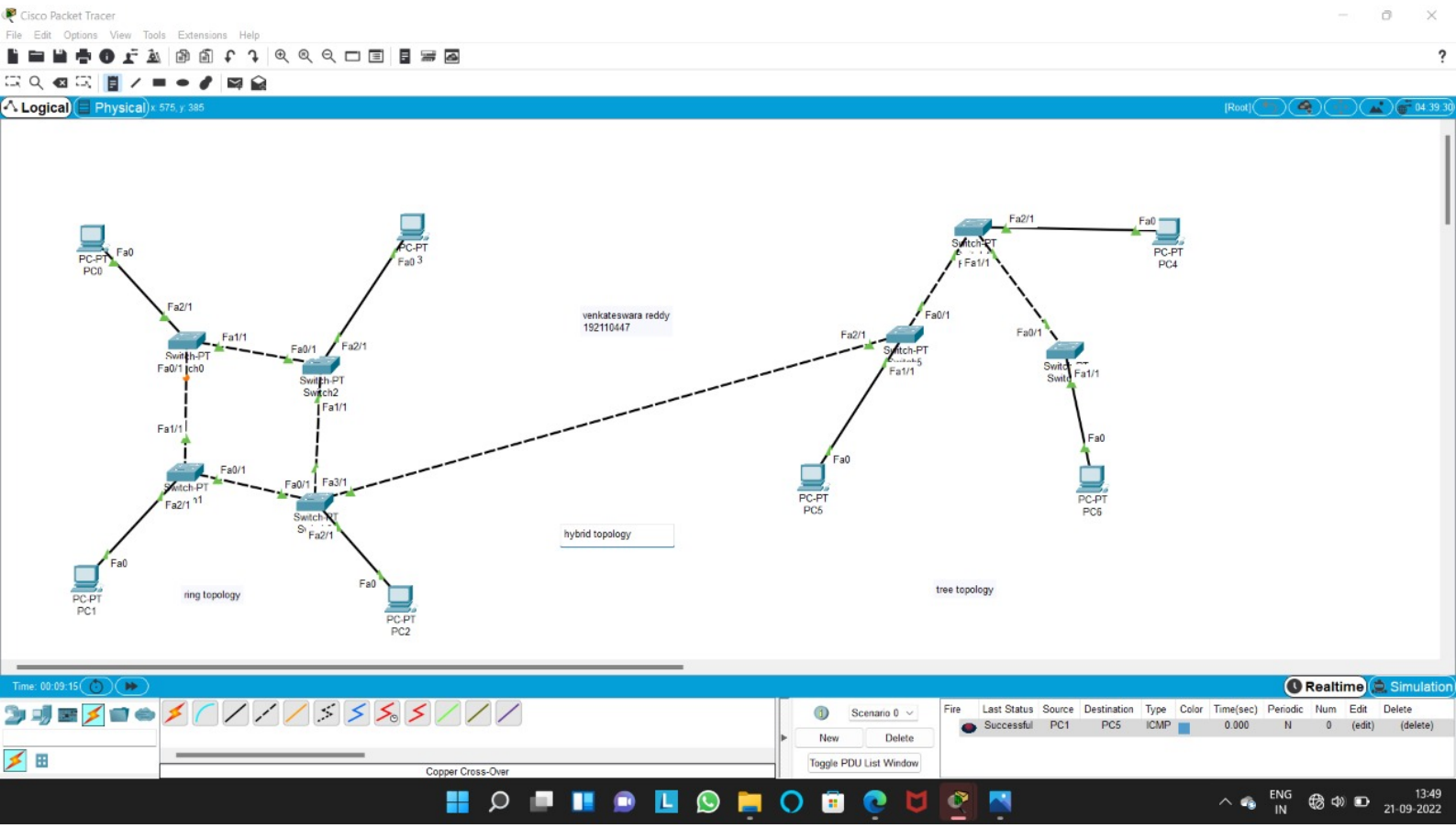

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 45, y: 123
[Root]
02:20:00
Server-PT
Server0
2960-24TT
Switch0
PC-PT
PC0
PC-PT
PC1
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC15
PC-PT
PC16
Time: 00:52:18
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Successful PC0 PC0 ICMP 0.000 N 0
Successful PC1 PC1 ICMP 0.000 N 1
Successful PC2 PC2 ICMP 0.000 N 2
34°C
Mostly sunny
ENG
IN
11:32
22-09-2022

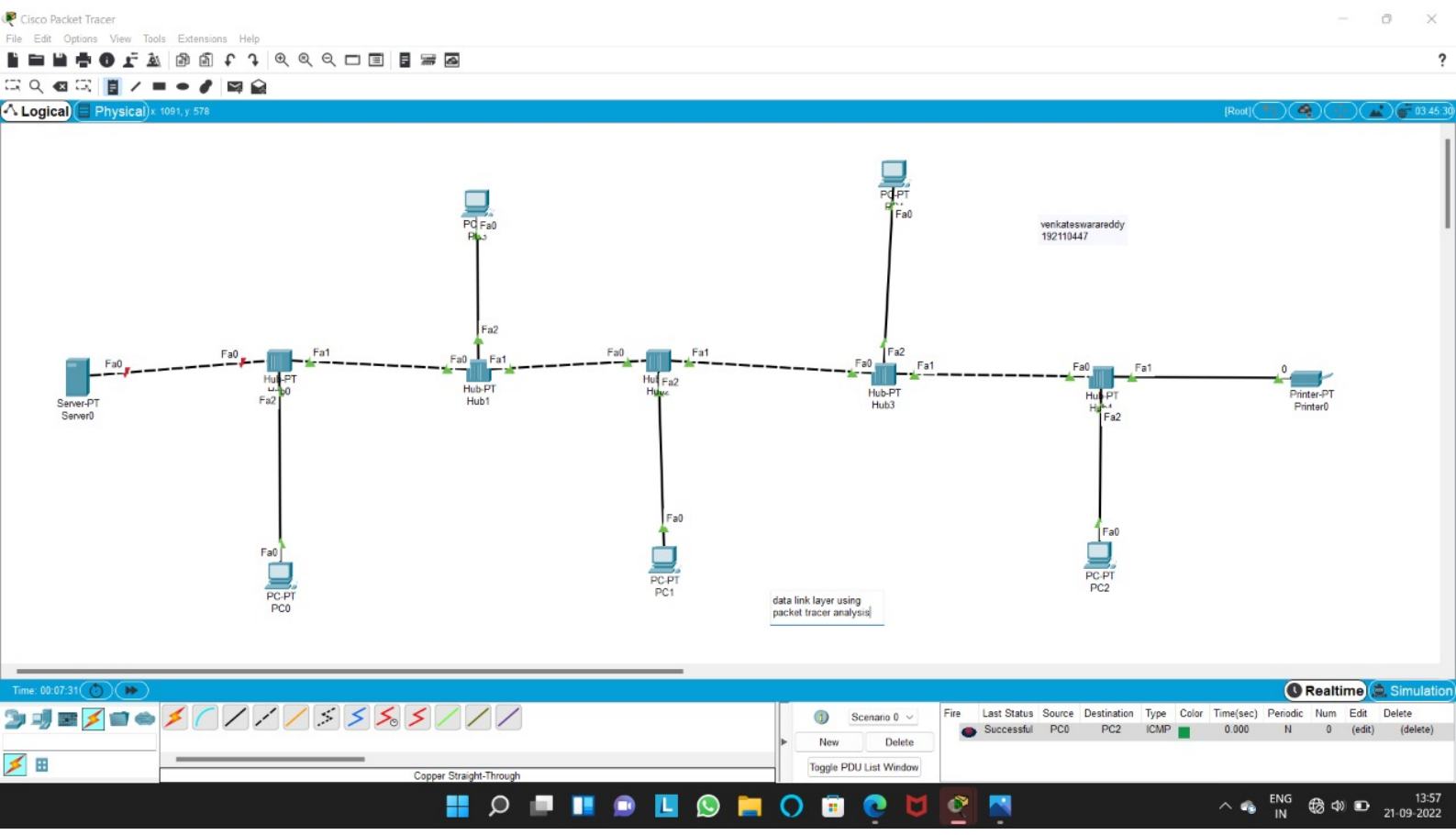

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 553, y: 325
[Root]
03:39:00
Router-PT
Router0
Router-PT
Router1
Router-PT
Router2
Switch-PT
Switch0
Switch-PT
Switch1
PC-PT
PC0
PC-PT
PC1
Time: 00:07:19
Realtime
Simulation
4331
4321
1941
2901
2911
819IOX
819HGW
829
1240
PT-Router
PT-Empty
1841
ISR4331
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Successful
PC0
PC0
ICMP
0.000
N
0
Successful
PC1
PC1
ICMP
0.000
N
1
ENG
IN
14:14
21-09-2022

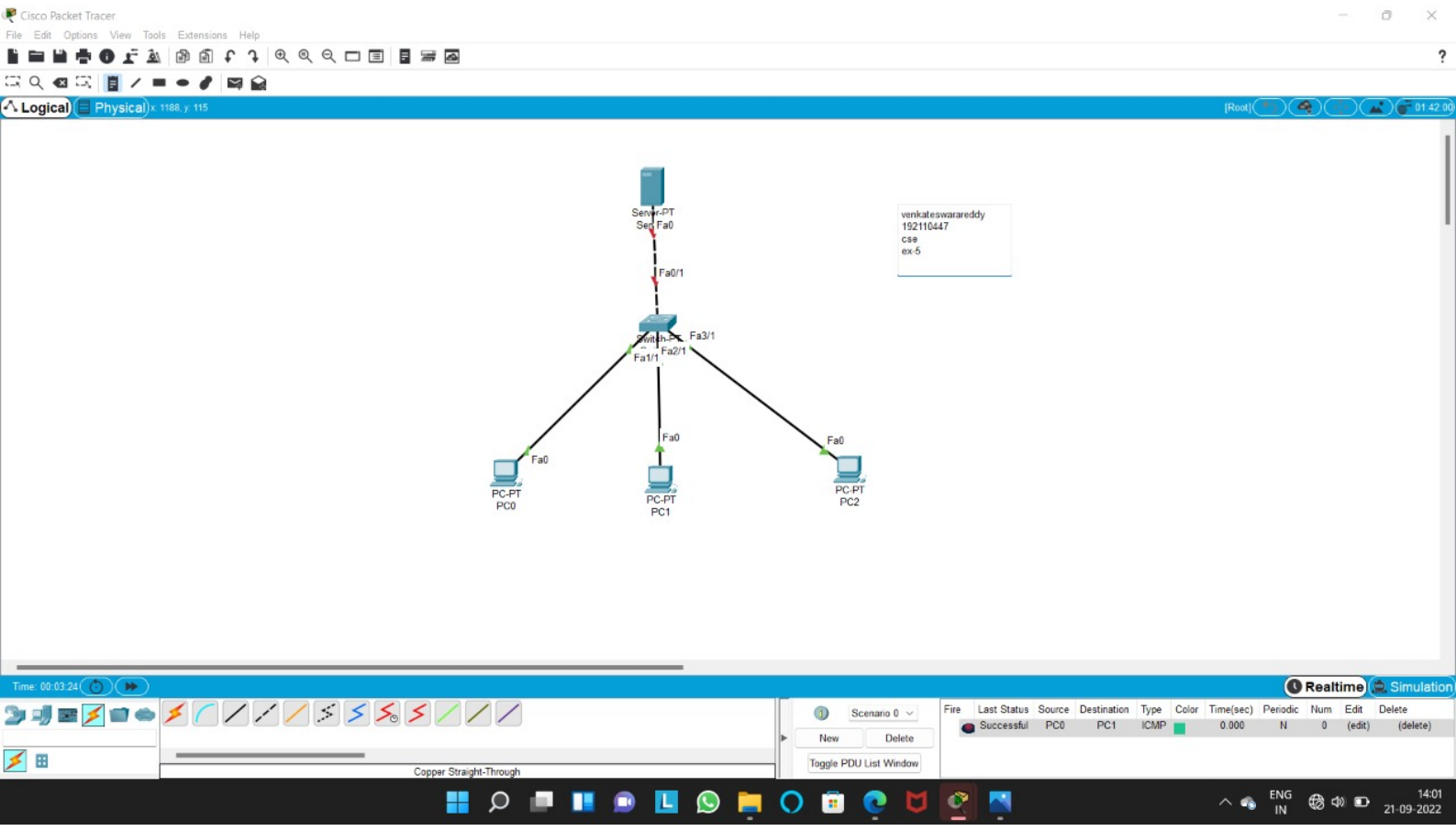

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical
Server-PT Server1
PC-PT PC0
Switch-PT Switch0
PC-PT PC4
PC-PT PC2
PC-PT PC1
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type
0.000 -- PC0 ARP
Reset Simulation
Constant Delay
Captured to: 0.000 s
Play Controls
Event List Filters - Visible Events
ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP
Edit Filters
Show All/None
Time: 00:16:45.910
PLAY CONTROLS:
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC0 PC0 ICMP 1.665 N 0 (edit) (delete)
ENG IN
14:33
14-09-2022

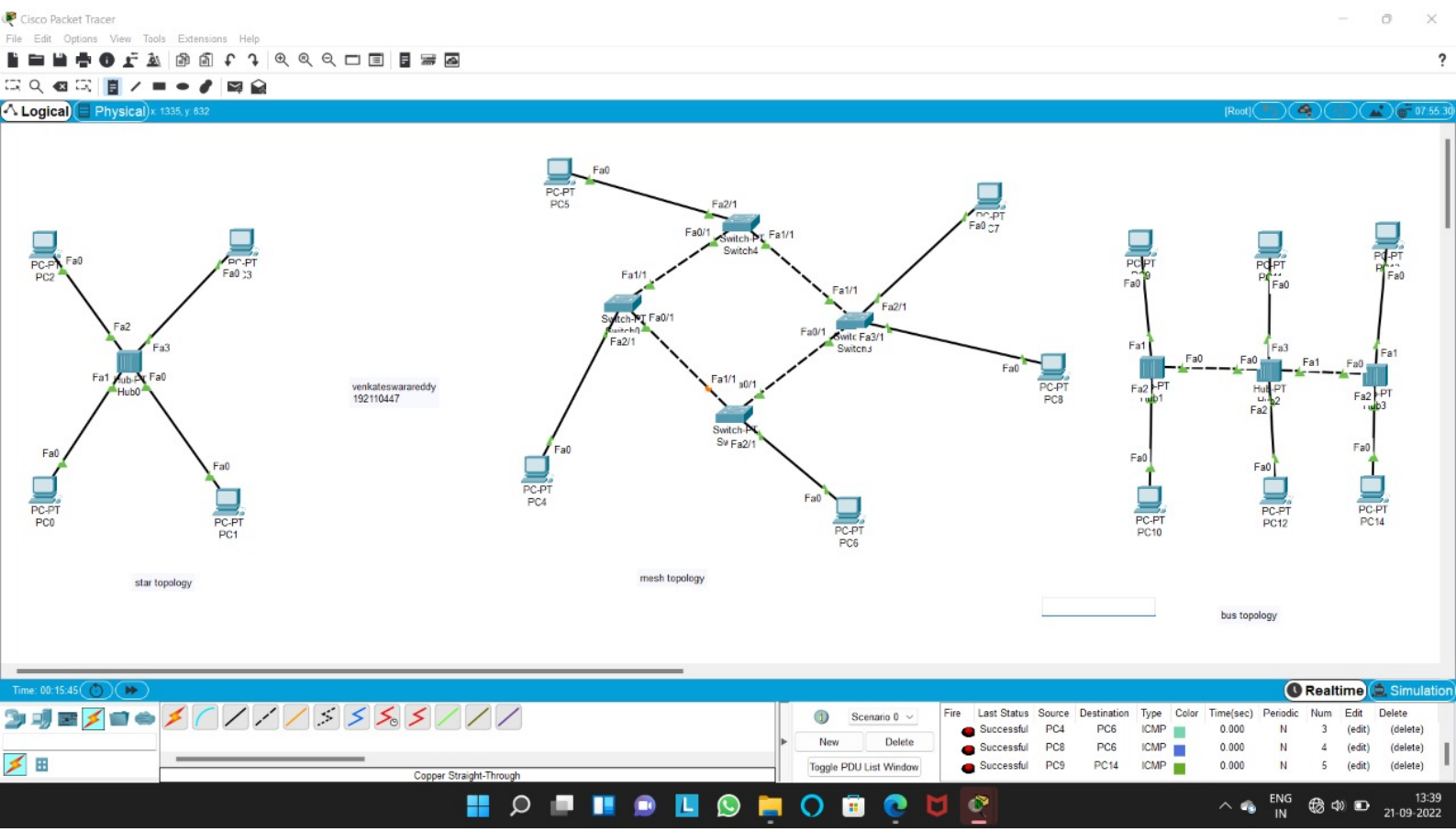

Cisco Packet Tracer - C:\Users\ramya\Cisco Packet Tracer 7.3.0\saves\dynamic routing.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
192.168.1.0
Router-PT
Router0
Router-PT
Router1
192.168.0.0
192.168.2.0
2960-24TT
Switch0
2960-24TT
Switch1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type
0.000 -- PC0 ICMP
0.002 -- PC0 ICMP
0.002 -- PC0 ICMP
0.949 -- Switch1 STP
0.950 Switch1 PC2 STP
0.950 Switch1 PC3 STP
1.336 -- Switch0 STP
Reset Simulation
Constant Delay
Captured to: 1.336 s
Play Controls
Event List Filters - Visible Events
ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP
Edit Filters
Show All/None
Time: 00:09:06.936
PLAY CONTROLS:
Event List
Realtime
Simulation
Wireless PC
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC0 PC0 ICMP 0.000 N 0 (edit) (delete)
Type here to search
34°C Partly sunny
ENG
14:27
14-09-2022

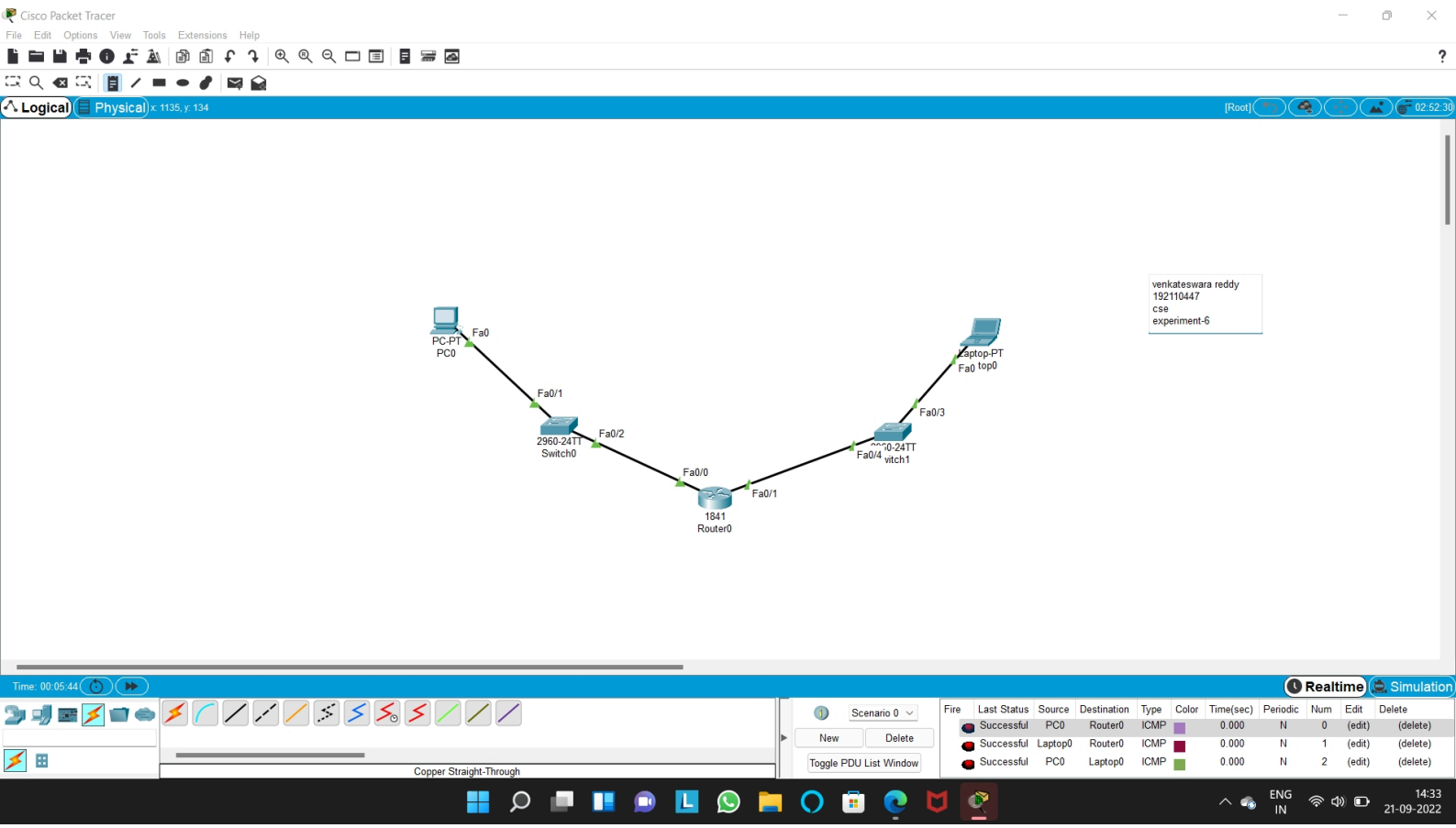

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
PC-PT PC0
Fa0
PC-PT Fa0 3
Fa2/1
Switch-PT Fa0/1 ch0
Fa1/1
Fa0/1
Fa2/1
Switch-PT Switch2
Fa1/1
Fa1/1
Fa0/1
Switch-PT Fa2/1
Fa0/1
Fa1/1
Switch-PT Fa2/1
Fa0
PC-PT PC1
Fa0
PC-PT PC2
ring topology
venkateswara reddy
192110447
Fa2/1
Fa0
PC-PT PC4
Switch-PT Fa1/1
Fa0/1
Fa0/1
Switch-PT Switch5 Fa1/1
Switch-PT Fa1/1
Fa0
PC-PT PC5
Fa0
PC-PT PC6
tree topology
Time: 00:07:34
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful PC0 PC3 ICMP 0.000 N 0 (edit) (delete)
Successful PC5 PC4 ICMP 0.000 N 1 (edit) (delete)
ENG IN
13:48
21-09-2022

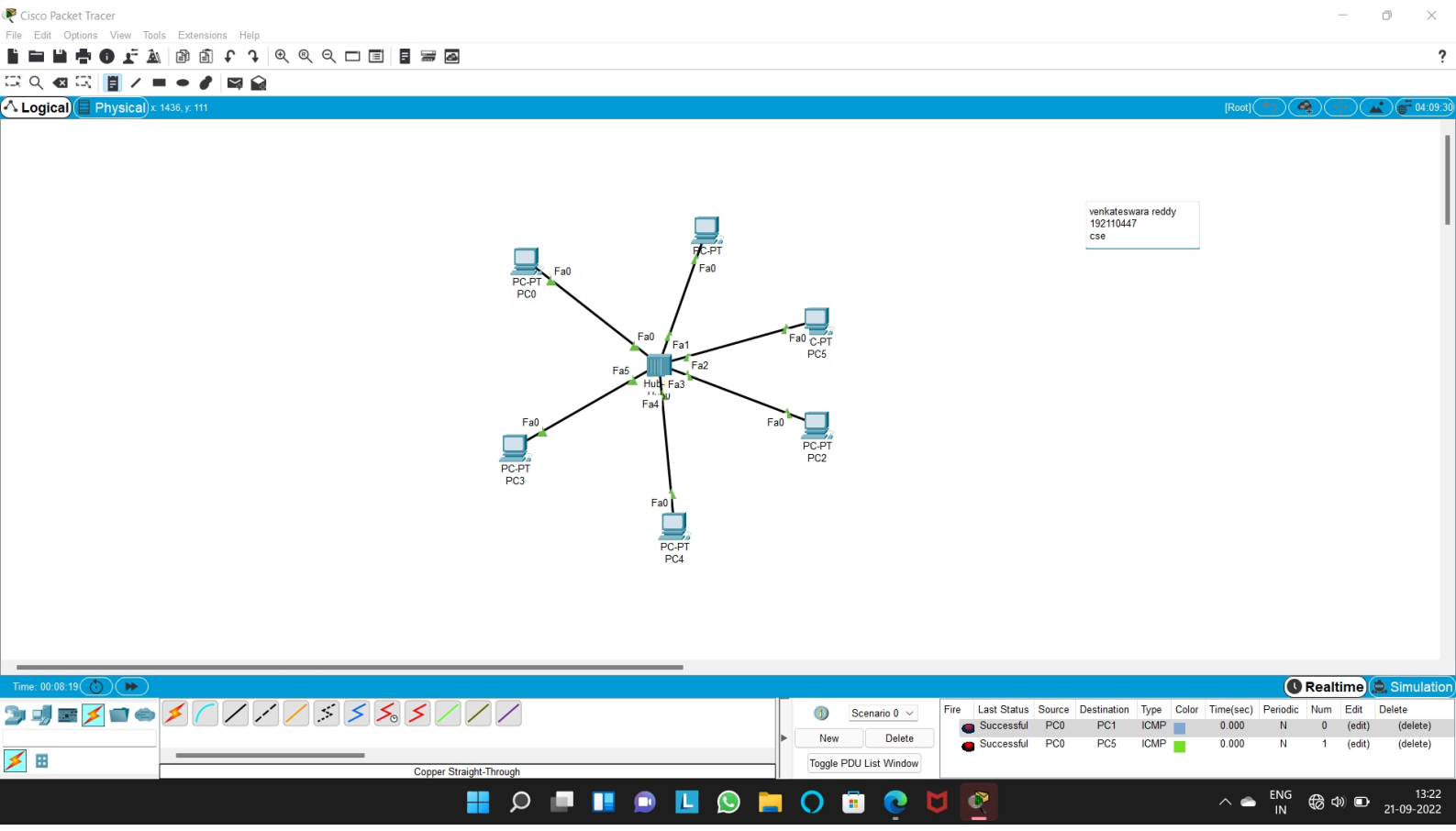

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
venkateswara reddy
192110447
hybrid topology
ring topology
tree topology
PC-PT
PC0
PC1
PC2
PC4
PC5
PC6
Switch-PT
Switch2
Fa0
Fa0/1
Fa1/1
Fa2/1
Fa3/1
Time: 00:09:15
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Copper Cross-Over
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC1
PC5
ICMP
0.000
N
0
(edit)
(delete)
ENG
IN
13:49
21-09-2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical
venkateswarareddy
192110447
Server-PT Server0
Hub-PT Hub1
Hub-PT Hub3
Printer-PT Printer0
PC-PT PC0
PC-PT PC1
PC-PT PC2
data link layer using packet tracer analysis
Realtime Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC0 PC2 ICMP 0.000 N 0 (edit) (delete)


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Server-PT
Fa0
Fa0/1
Fa3/1
Fa1/1
Fa2/1
Fa0
Fa0
Fa0
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
venkateswarareddy
192110447
cse
ex-5
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC1
ICMP
0.000
N
0
(edit)
(delete)
ENG
IN
14:01
21-09-2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
PC-PT PC2
PC-PT PC3
Hub-PT Hub0
PC-PT PC0
PC-PT PC1
star topology
venkateswarareddy
192110447
PC-PT PC5
Switch-PT Switch4
PC-PT PC7
PC-PT PC8
PC-PT PC4
PC-PT PC6
mesh topology
PC-PT PC9
PC-PT PC10
PC-PT PC12
PC-PT PC14
bus topology
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC4 PC6 ICMP 0.000 N 3 (edit) (delete)
Successful PC8 PC6 ICMP 0.000 N 4 (edit) (delete)
Successful PC9 PC14 ICMP 0.000 N 5 (edit) (delete)


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 1135, y: 134
[Root]
02:52:30
venkateswara reddy
192110447
cse
experiment-6
PC-PT
PC0
Fa0
Fa0/1
2960-24TT
Switch0
Fa0/2
Fa0/0
1841
Router0
Fa0/1
Fa0/4
Fa0/3
Laptop-PT
Fa0
top0
Time: 00:05:44
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful PC0 Router0 ICMP 0.000 N 0 (edit) (delete)
Successful Laptop0 Router0 ICMP 0.000 N 1 (edit) (delete)
Successful PC0 Laptop0 ICMP 0.000 N 2 (edit) (delete)
ENG
IN
14:33
21-09-2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical x: 1436, y: 111 [Root] 04:09:30
venkateswara reddy
192110447
cse
PC-PT PC0
PC-PT PC1
C-PT PC5
PC-PT PC2
PC-PT PC3
PC-PT PC4
Hub-PT
Fa0
Fa1
Fa2
Fa3
Fa4
Fa5
Time: 00:08:19
Realtime Simulation
Copper Straight-Through
Scenario 0
New Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC0 PC1 ICMP 0.000 N 0 (edit) (delete)
Successful PC0 PC5 ICMP 0.000 N 1 (edit) (delete)
ENG IN
13:22
21-09-2022