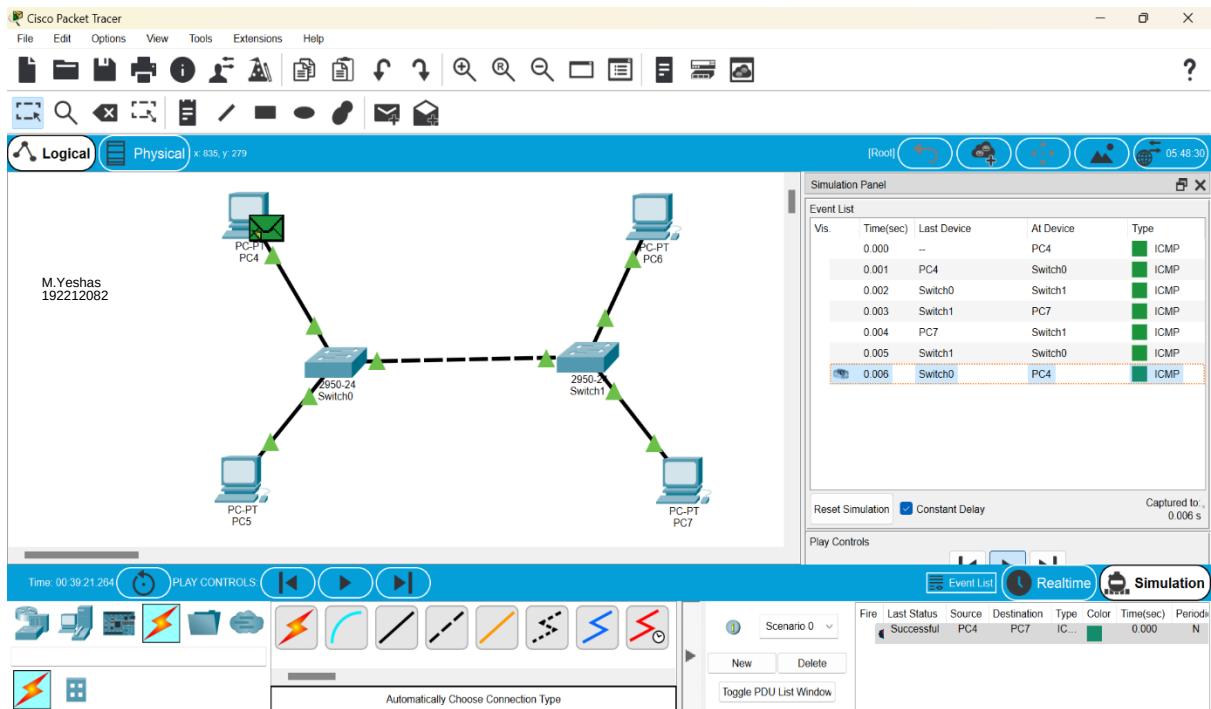
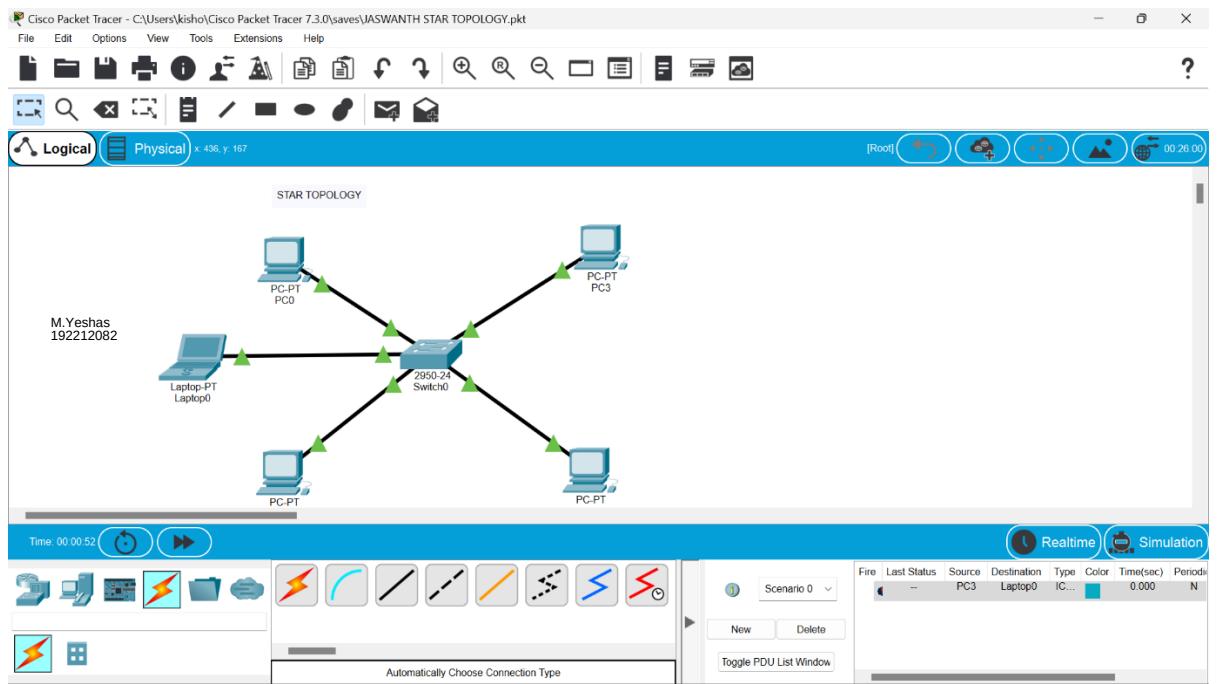


1)Hub,switch



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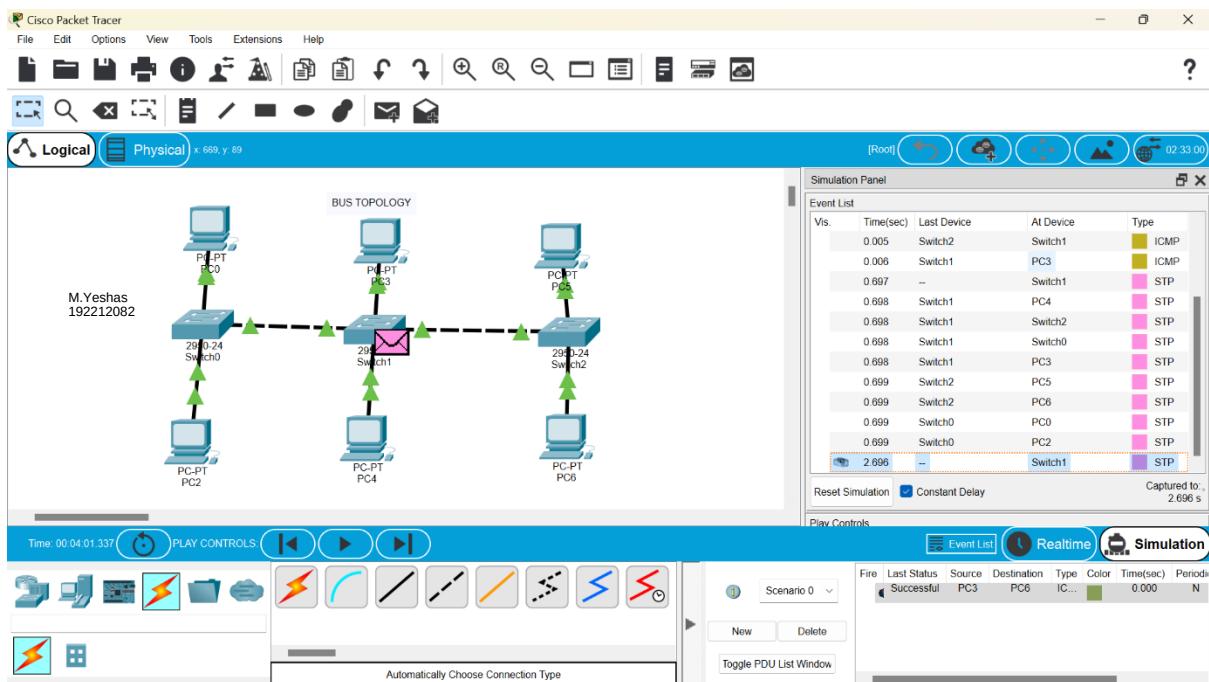
2)Star Topology



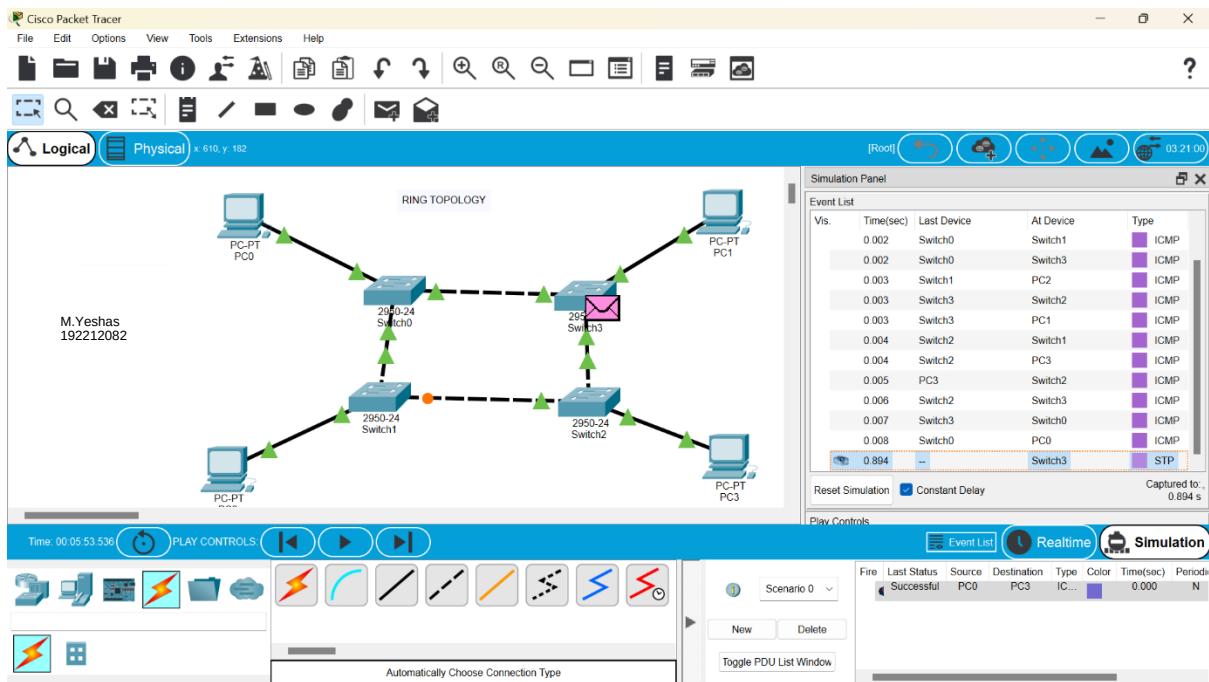
3)Bus topology



Edit with WPS Office

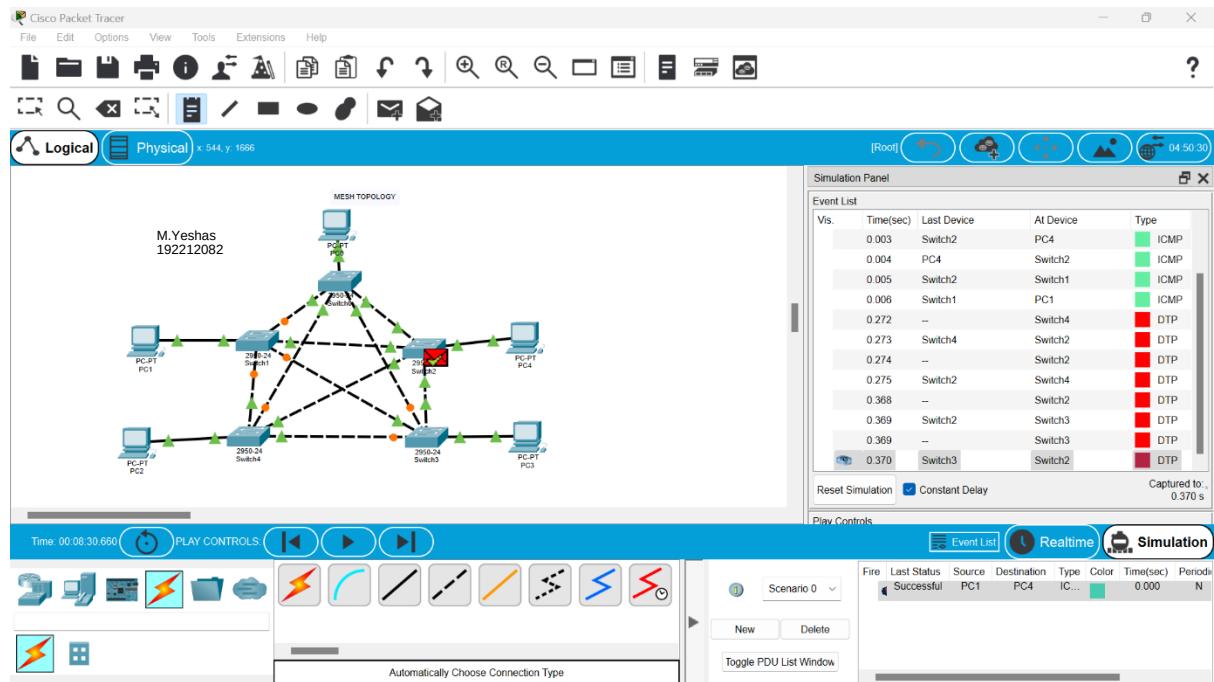


4) Ring Topology



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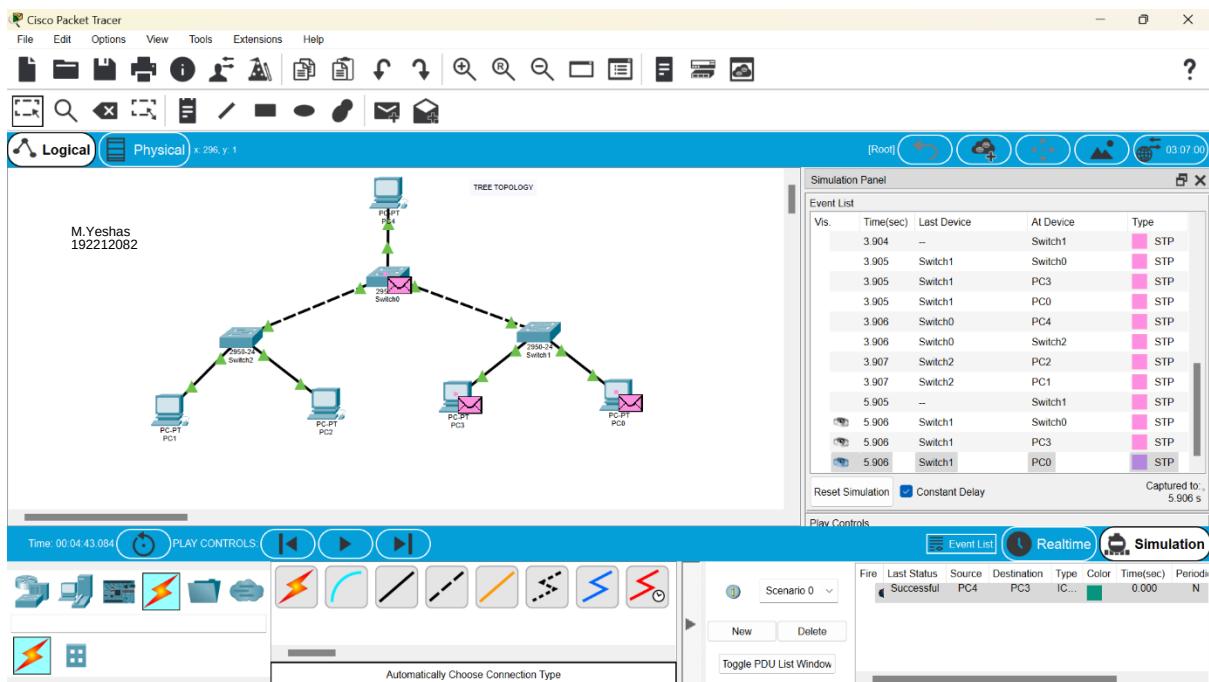
5) Mesh topology



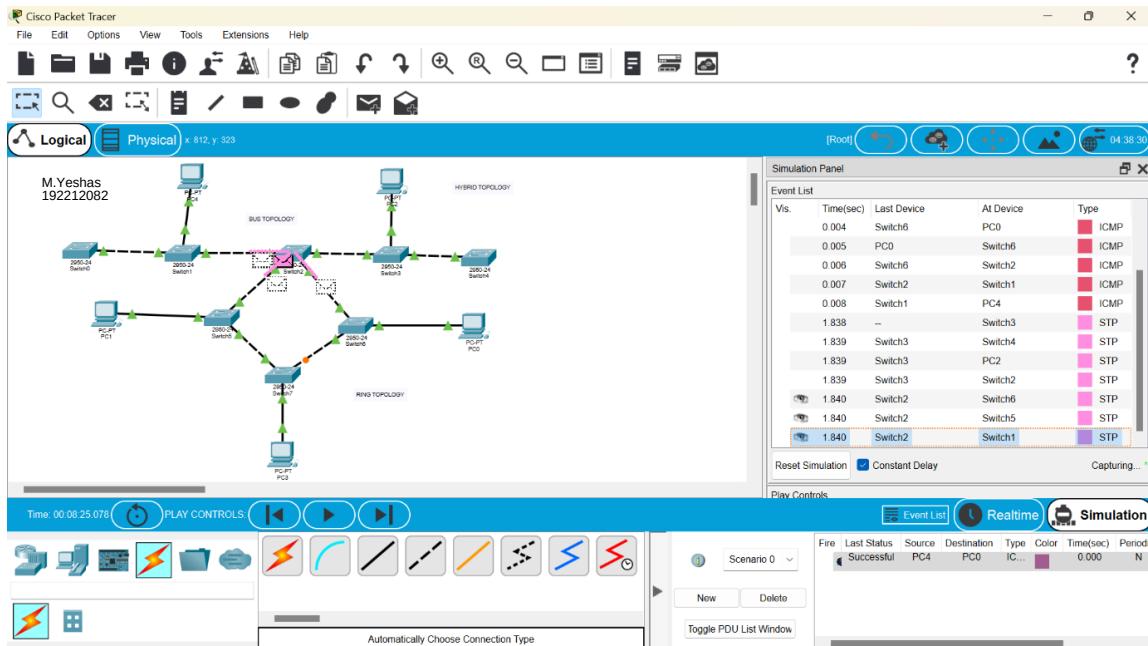
6) Tree topology



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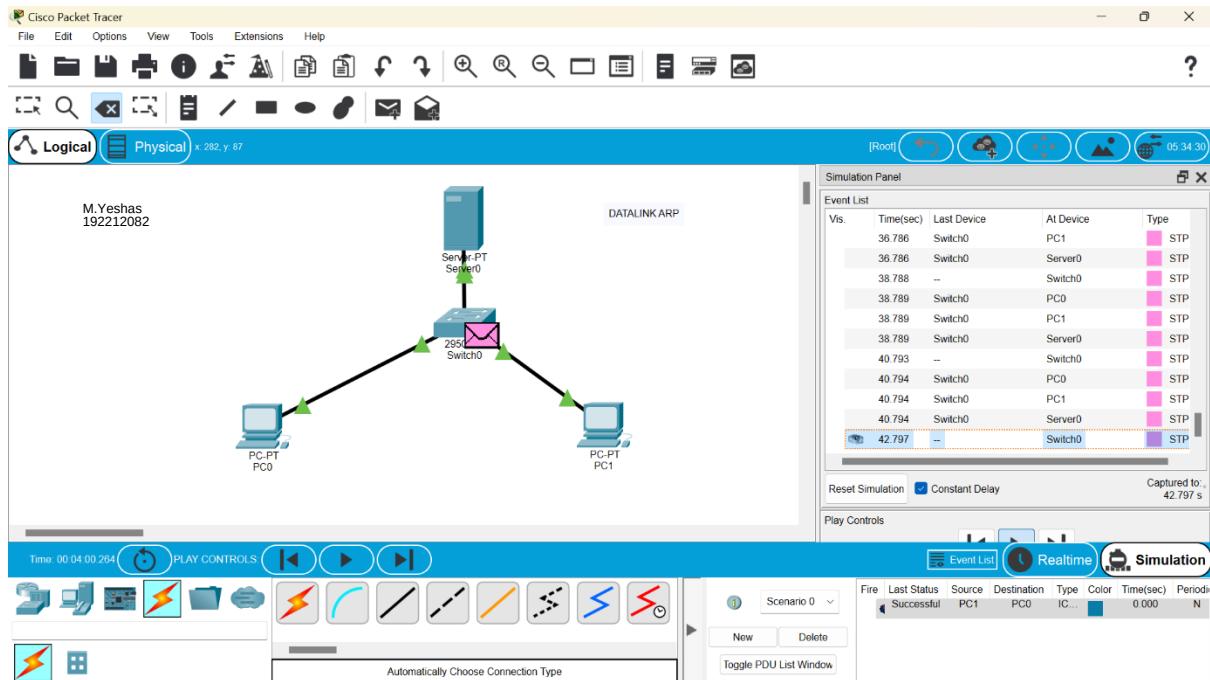


7) Hybrid topology

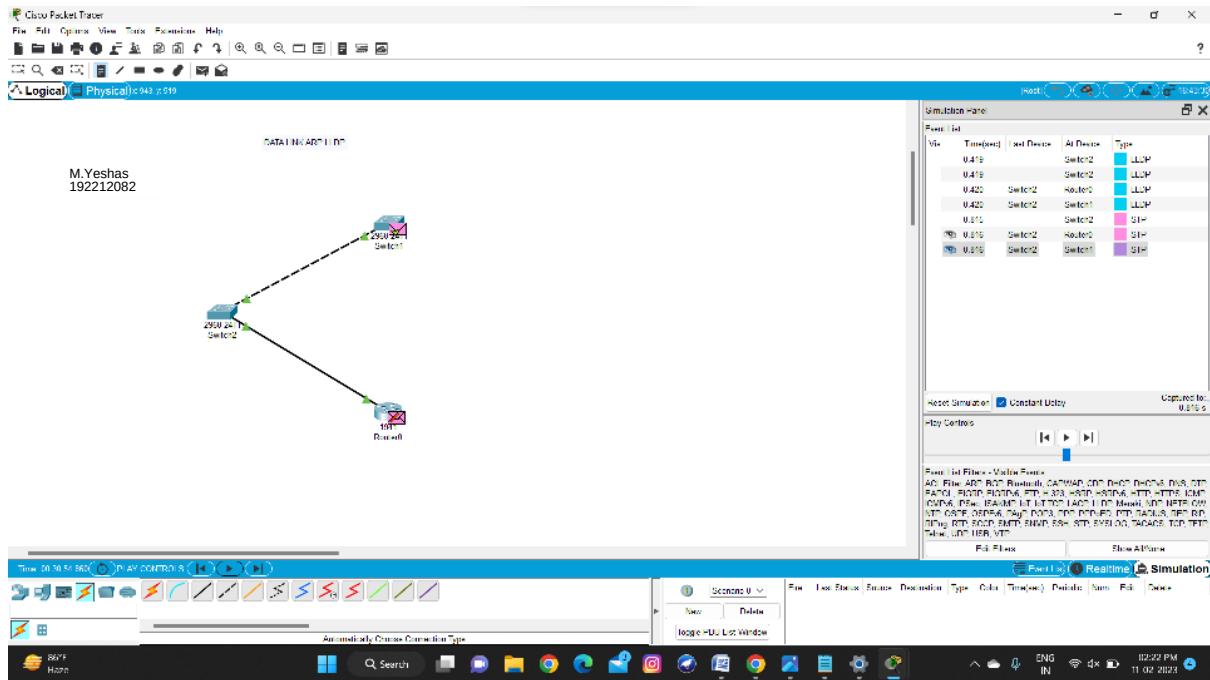


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8)Data link arp

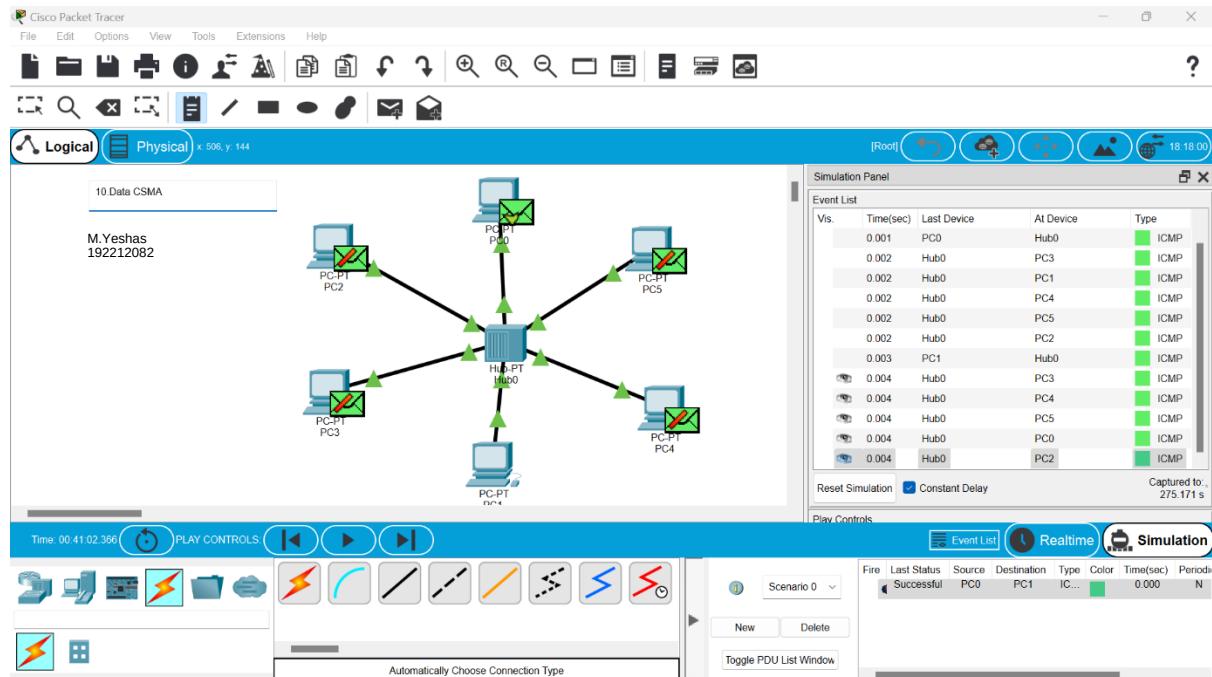


9)DATA LINK LLDP



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10)Data link CSMA



11)BIT STUFFING USING C

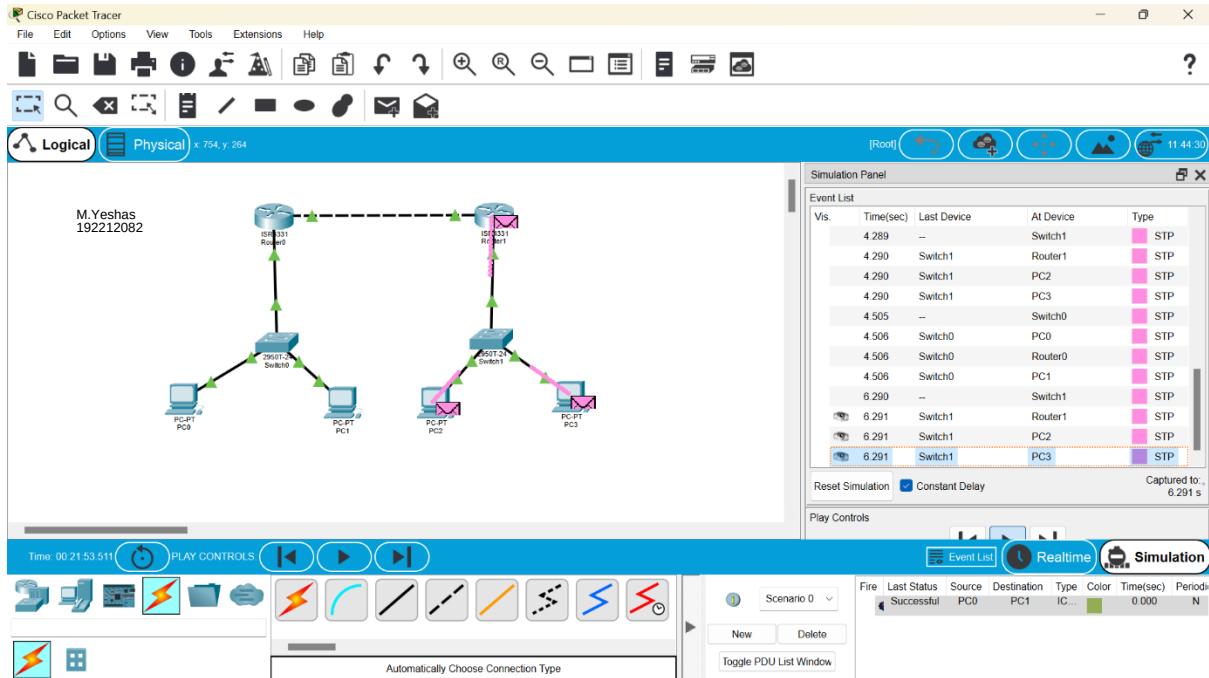
The screenshot shows the Embarcadero Dev-C++ IDE. The code editor contains a C program named Untitled1.cpp. The code reads a frame size, takes input in binary, and performs bit stuffing. The output window shows the original frame and the stuffed frame. The compiler output window shows compilation results with 0 errors and 0 warnings. The status bar at the bottom indicates the system temperature is 28°C and the date is 12-02-2023.

```
#include<stdio.h>
#include<string.h>
int main()
{
    int a[20],b[30],i,j,k,count,n;
    printf("Enter frame size (Example: 8):");
    scanf("%d",&n);
    printf("Enter the frame in the form of 0 and 1 :");
    for(i=0; i<n; i++)
        scanf("%d",&a[i]);
    i=0;
    count=1;
    j=0;
    while(i<n)
    {
        if(a[i]==1)
        {
            b[j]=a[i];
            for(k=i+1; a[k]==1 && k<n && count<5; k++)
            {
                j++;
                b[j]=a[k];
                count++;
            }
        }
    }
}
```

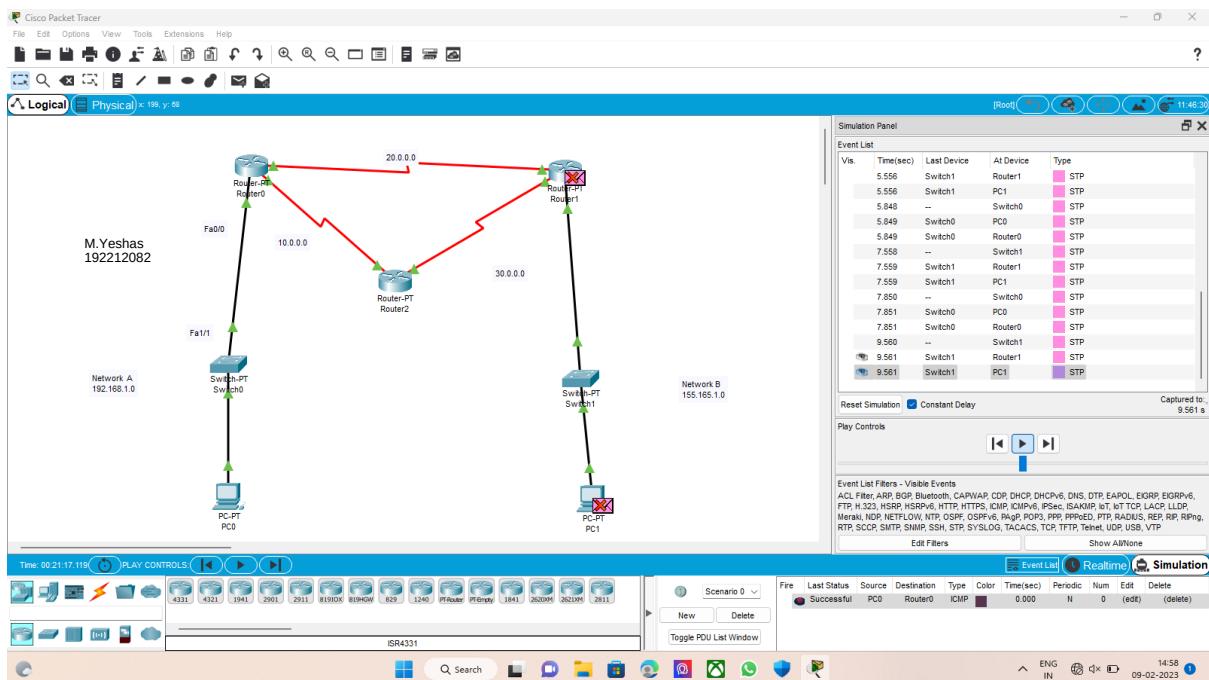


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12) STATIC ROUTING

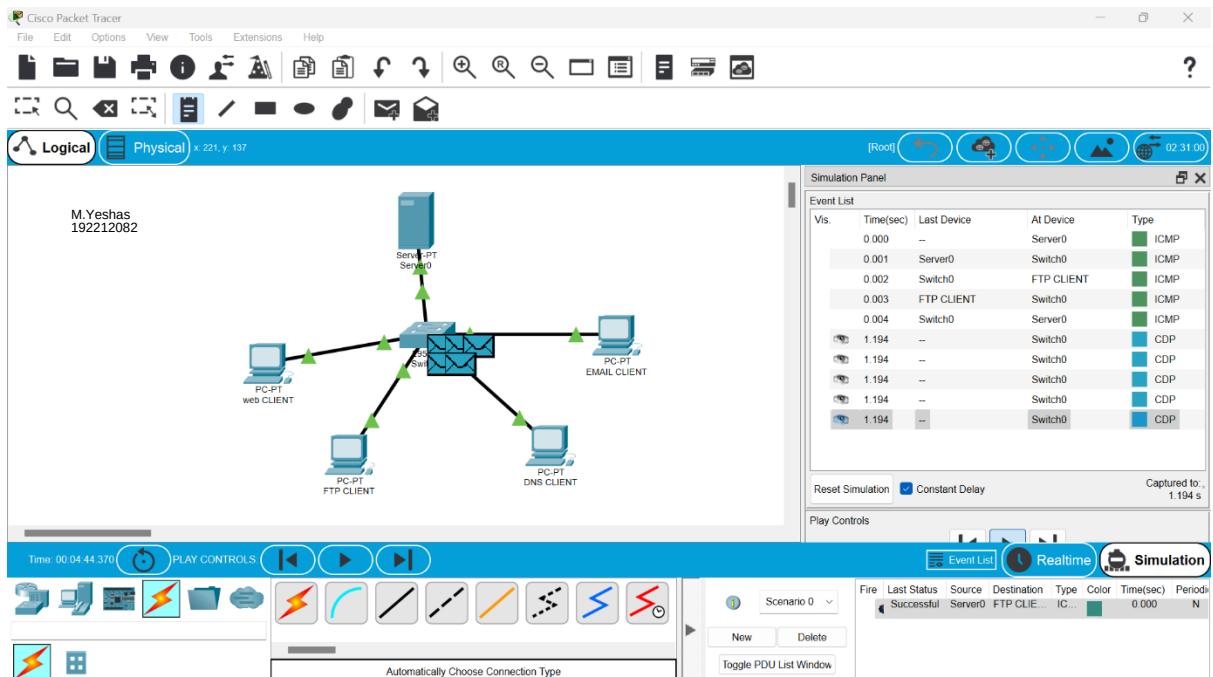


13) DYNAMIC ROUTING



Edit with WPS Office

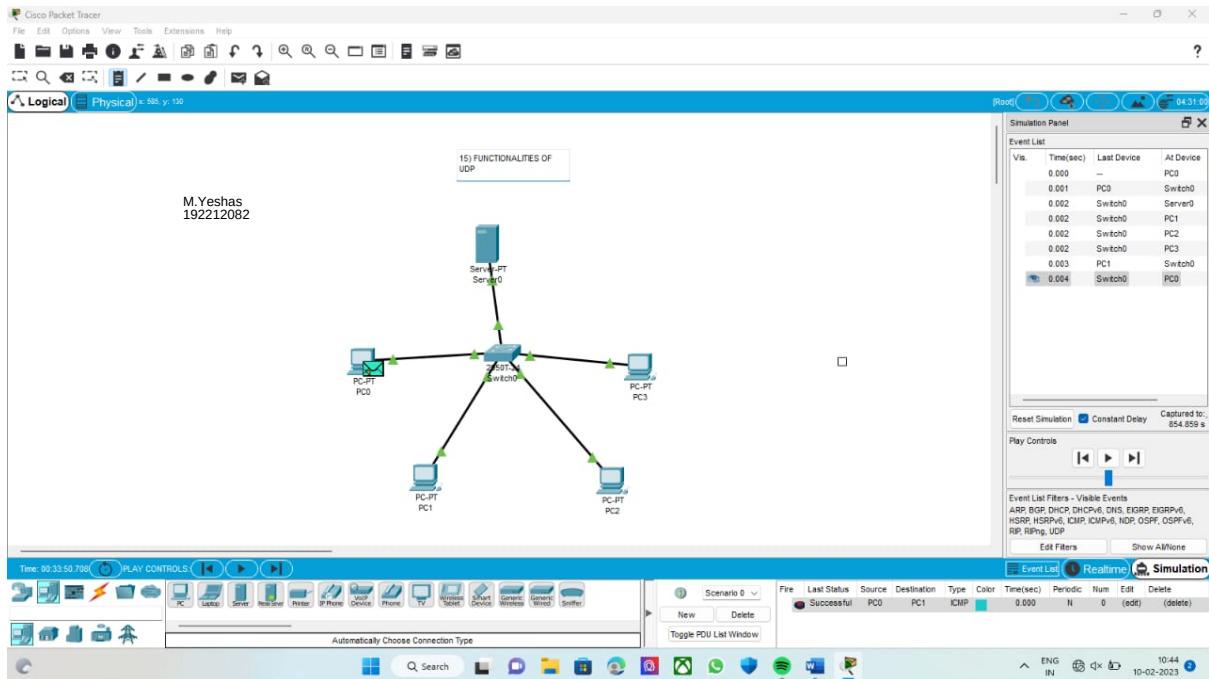
14)TCP



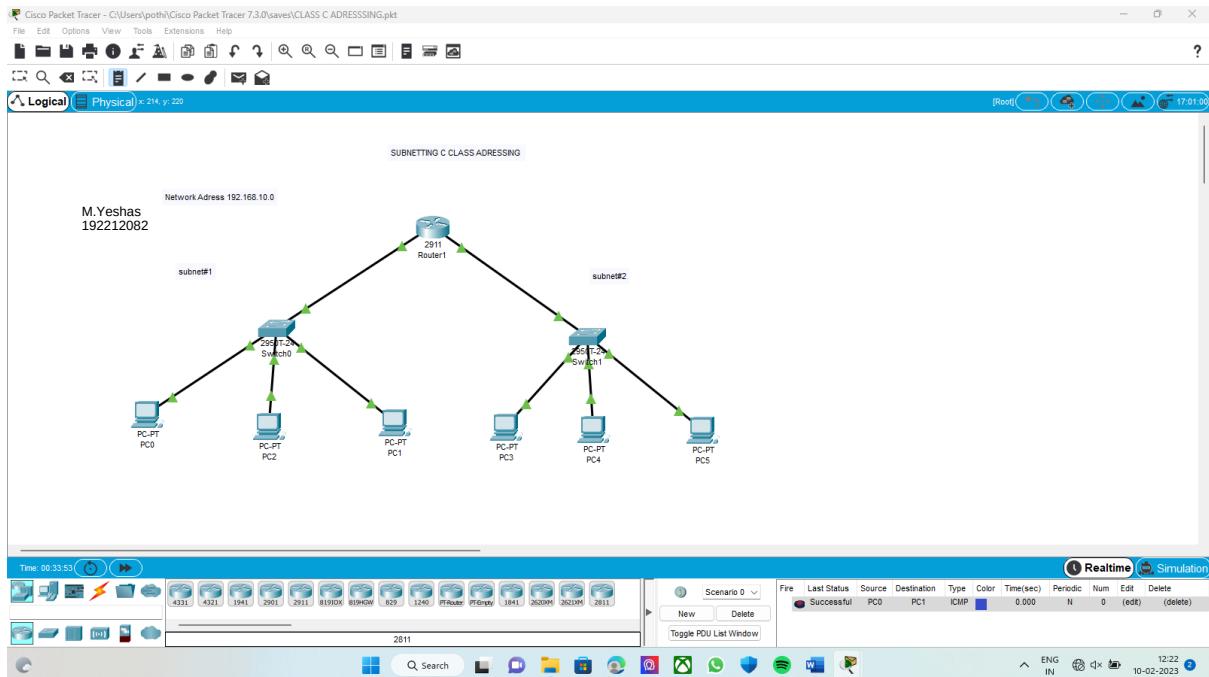
15)FUNCTIONALITIES OF UDP



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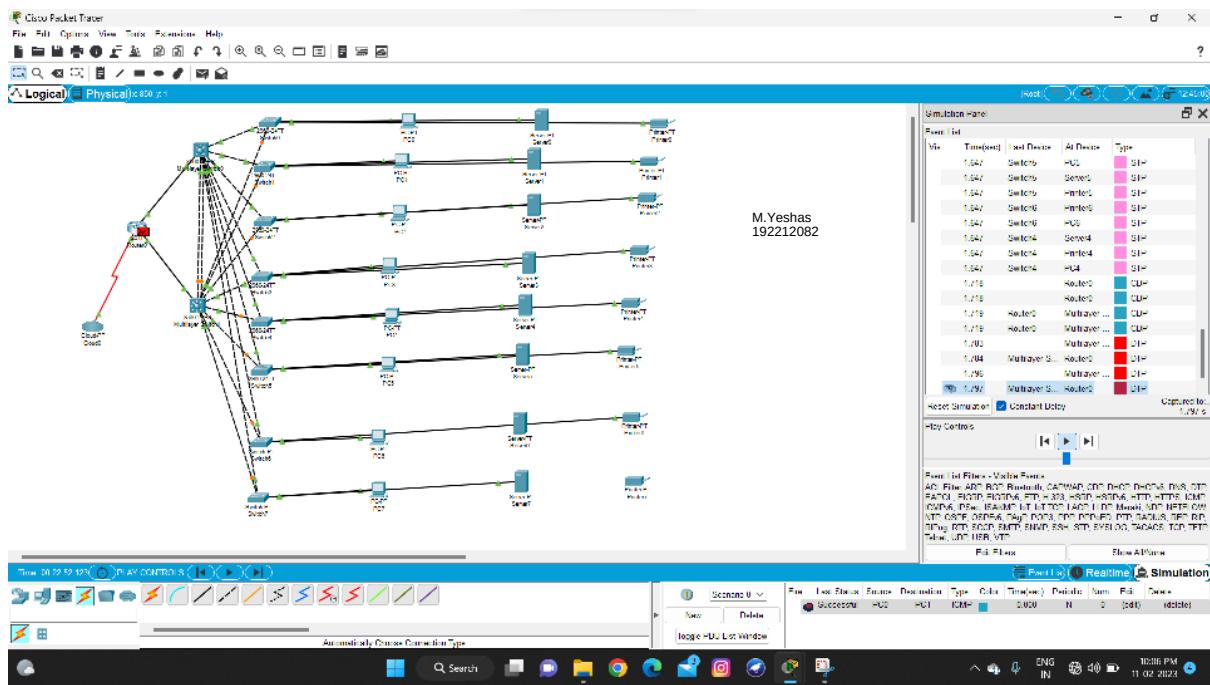
16) SUBNETTING CLASS C ADDRESSING



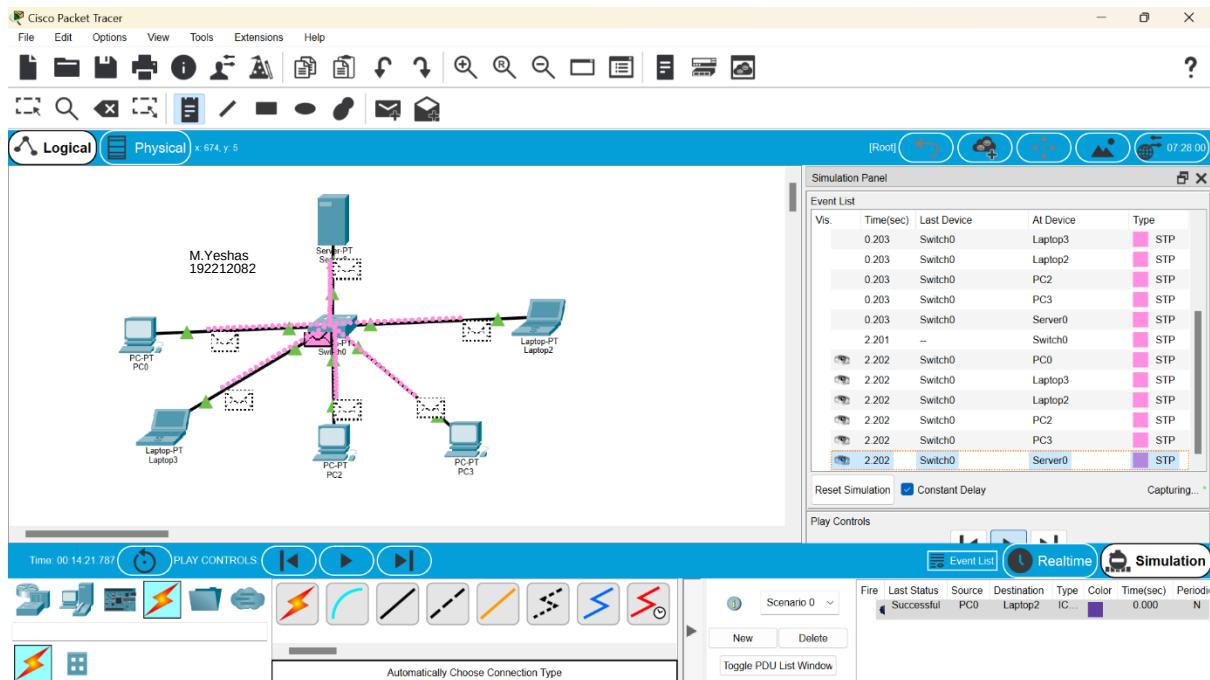
19) SIMULATING X,Y,Z COMPANY NETWORK DESIGN



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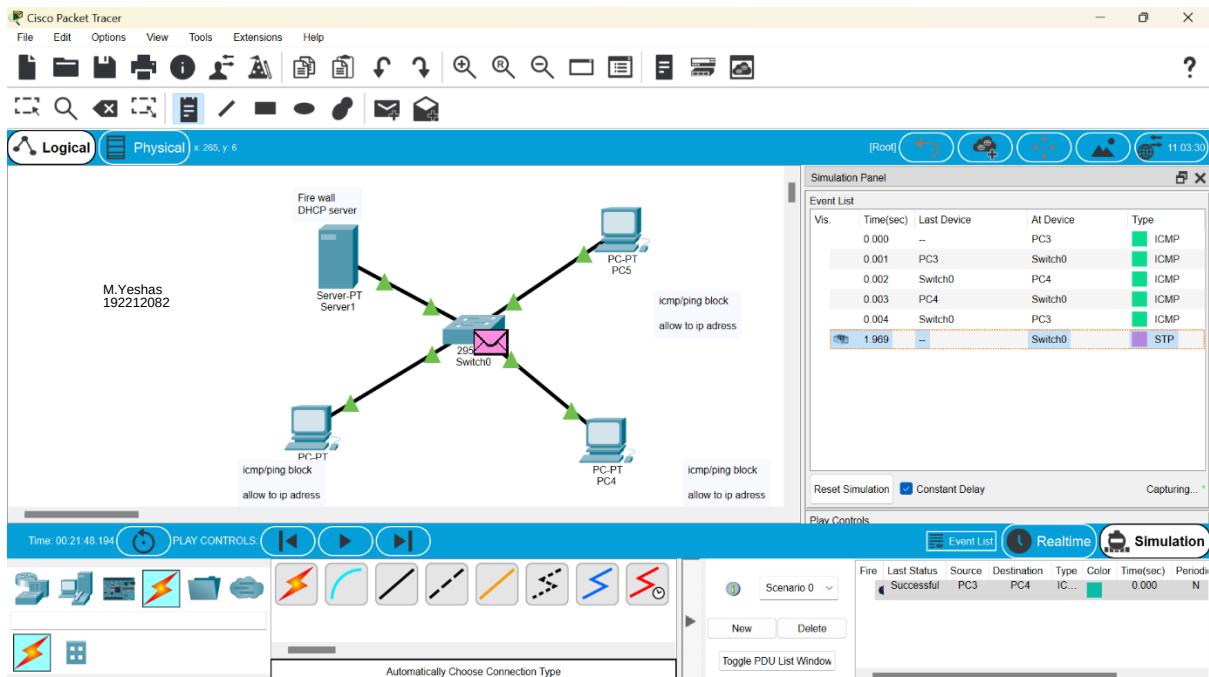


20)DHCP



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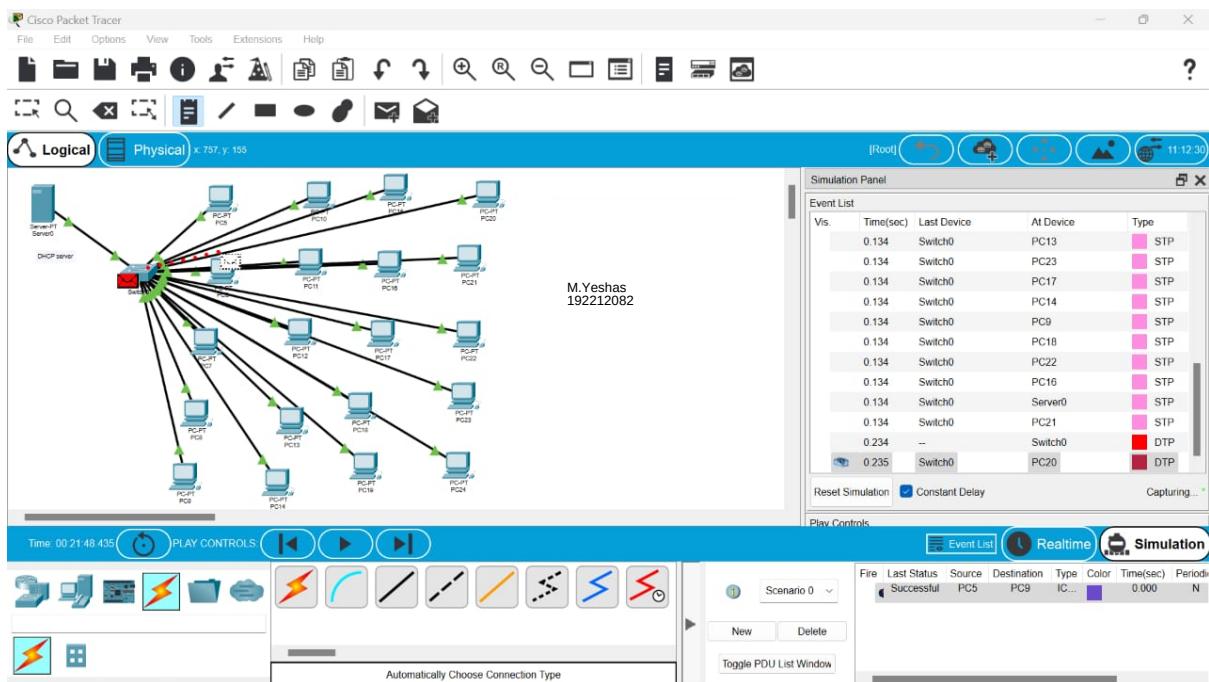
21) FIREWALL



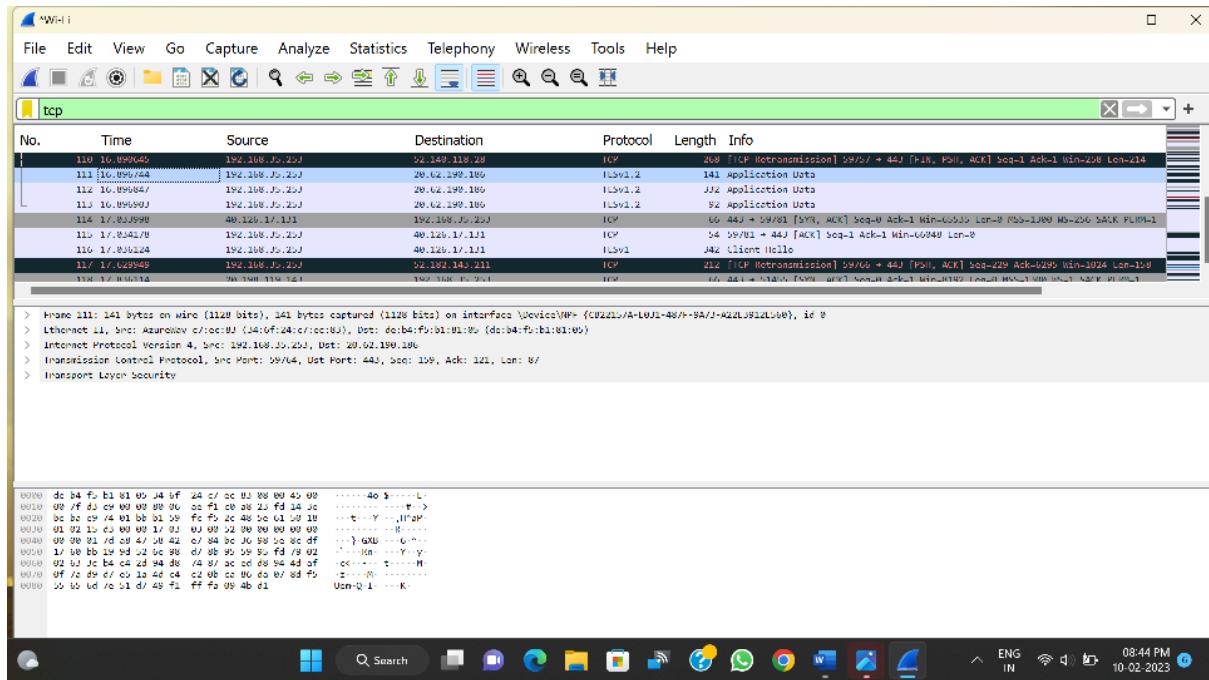
22) COMPUTER LAB



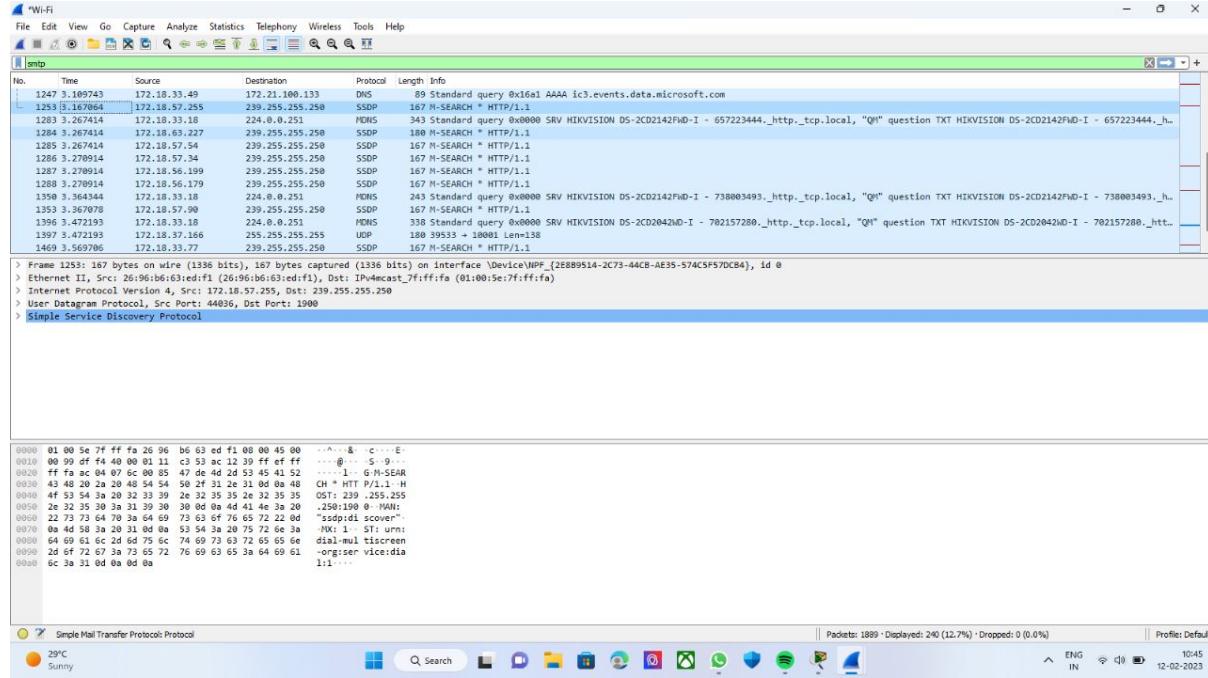
Edit with WPS Office



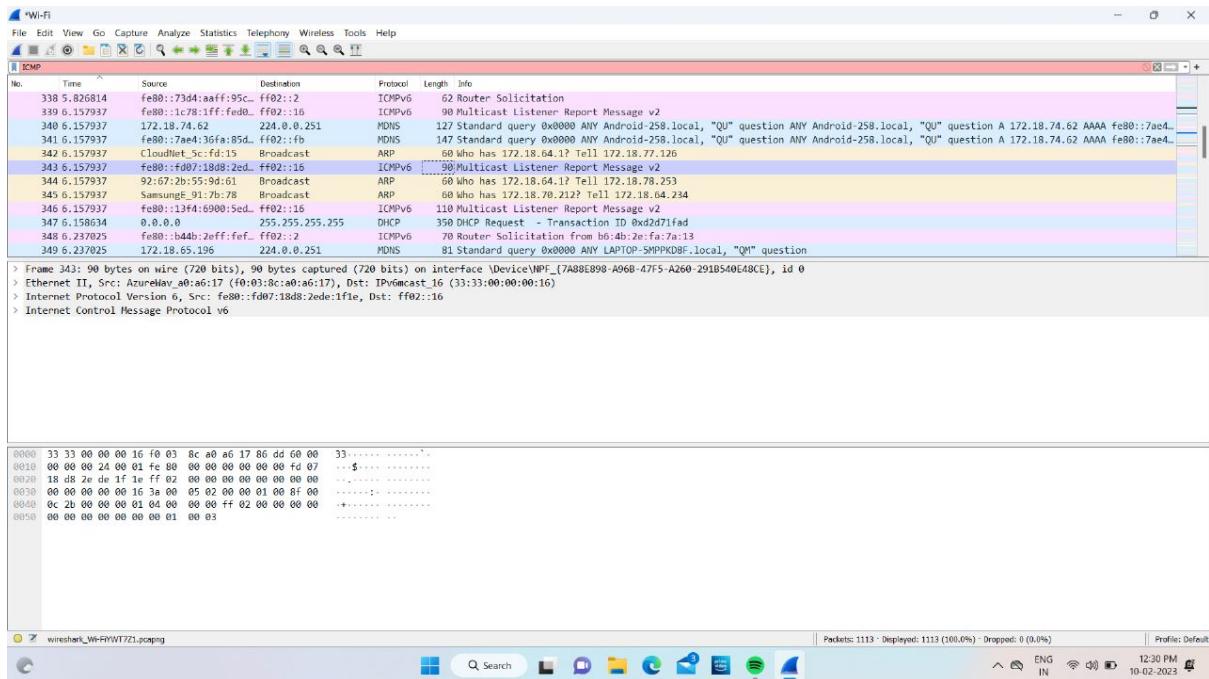
23)TCP WIRE SHARK



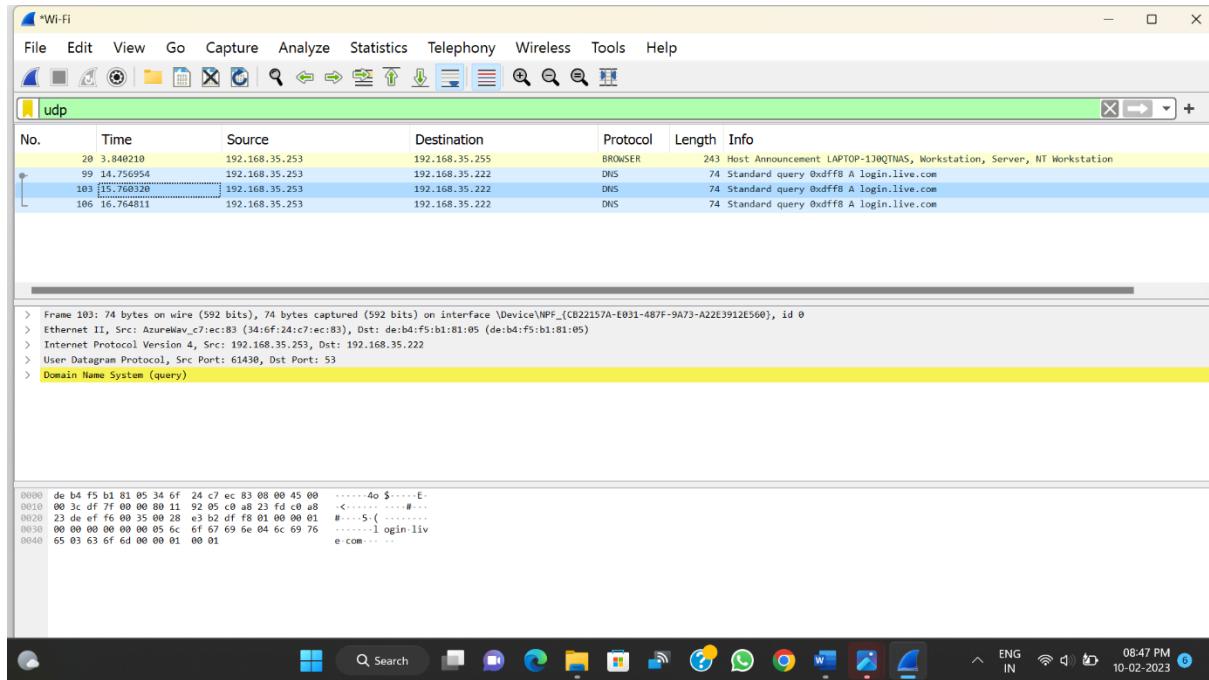
24)SMTP



25) ICMP



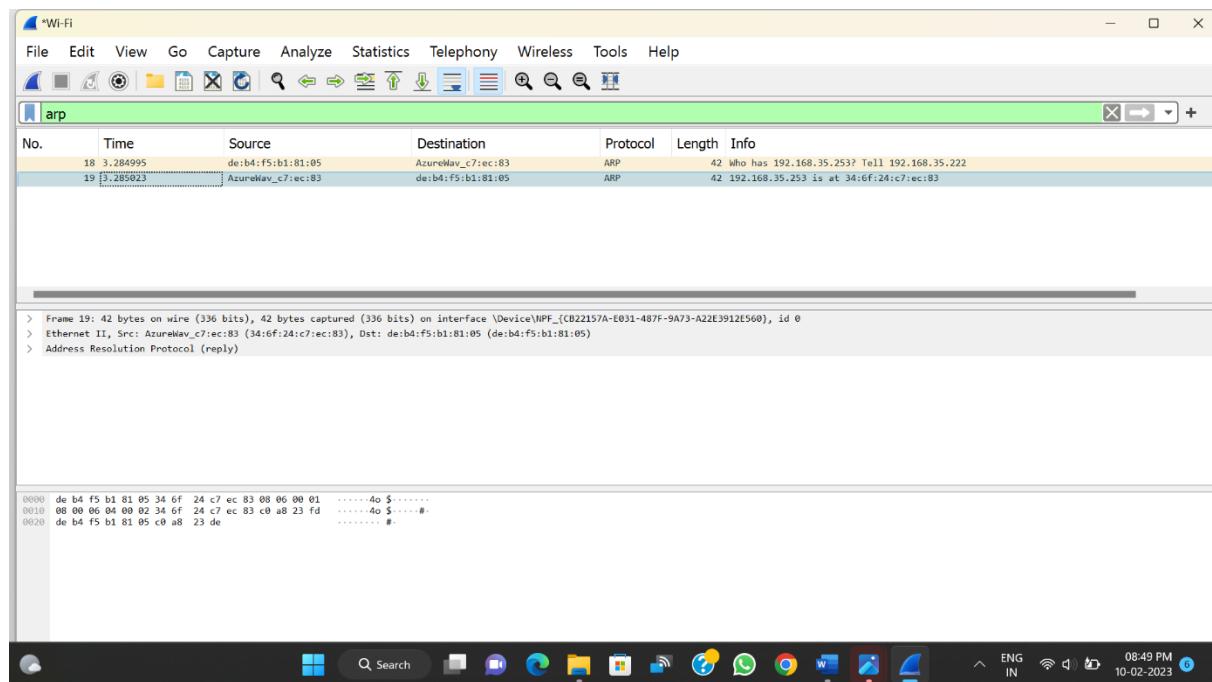
26) UDP WIRESHARK



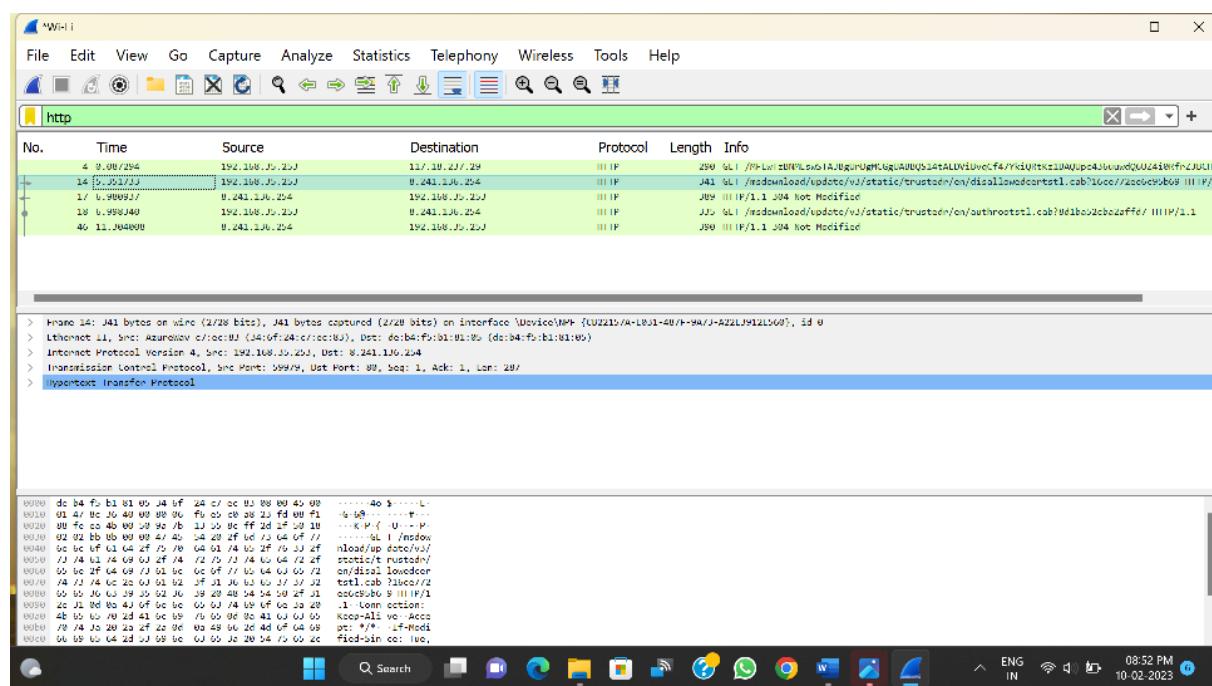
27) ARP WIRE SHARK



Edit with WPS Office



28) HTTP WIRE SHARK





Edit with WPS Office