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Course: MCA

Section: A

University roll no: 2001022

Subject Name: Computer Network

Subject code: TMC 203.

Q1: Problem statement: There is an organisation A with network.

Objective: Creating a network between users in a department.

Description: The Dynamic host configuration protocol is a network management protocol used on internet protocol.

network for automatic assigning IP

Component used: 1 server, 10 PCs, 1 switch.

Step 1: Add a server on the logical screen.

Step 2: Add switch and PCs

Step 3: Configure server (Add IP address in config. setting)

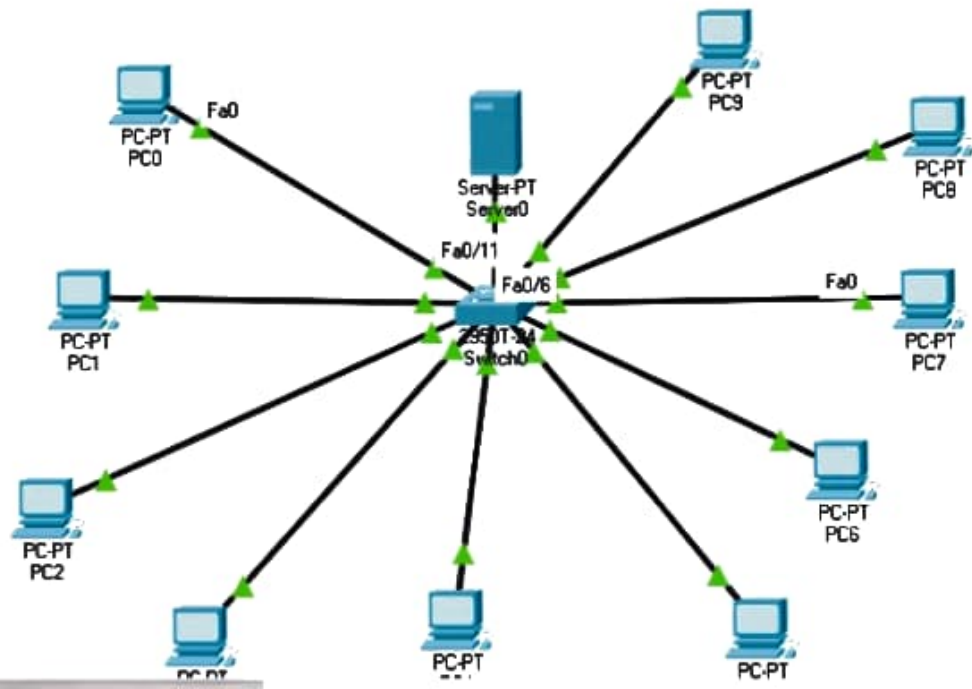
Step 4: Now go to service in server and select DHCP option in the left menu, and turn on fast Ethernet services on.

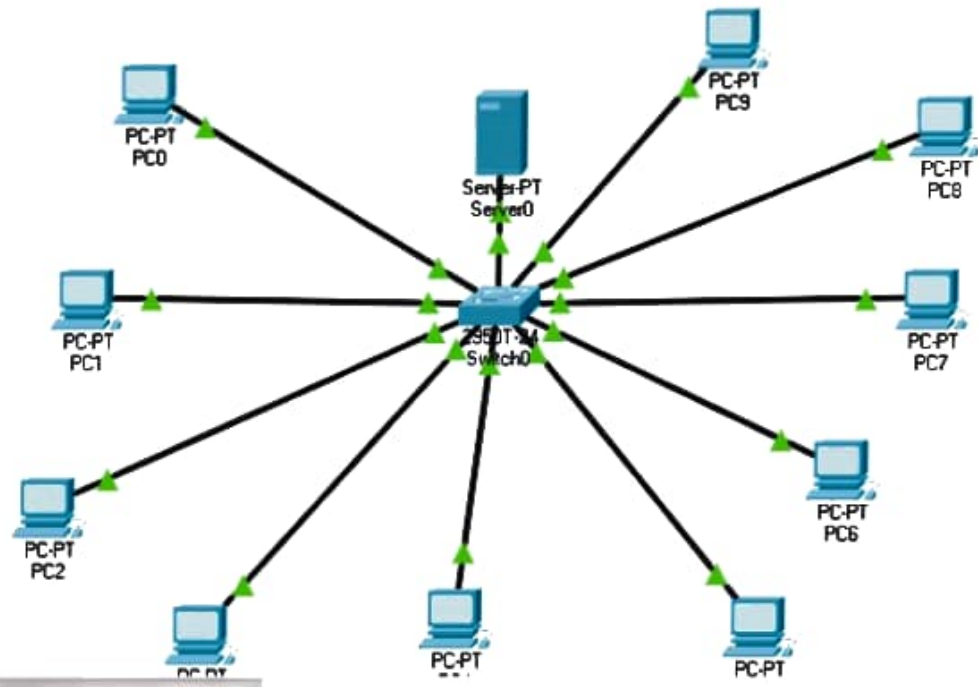
Step 5: Save the DHCP setting created.

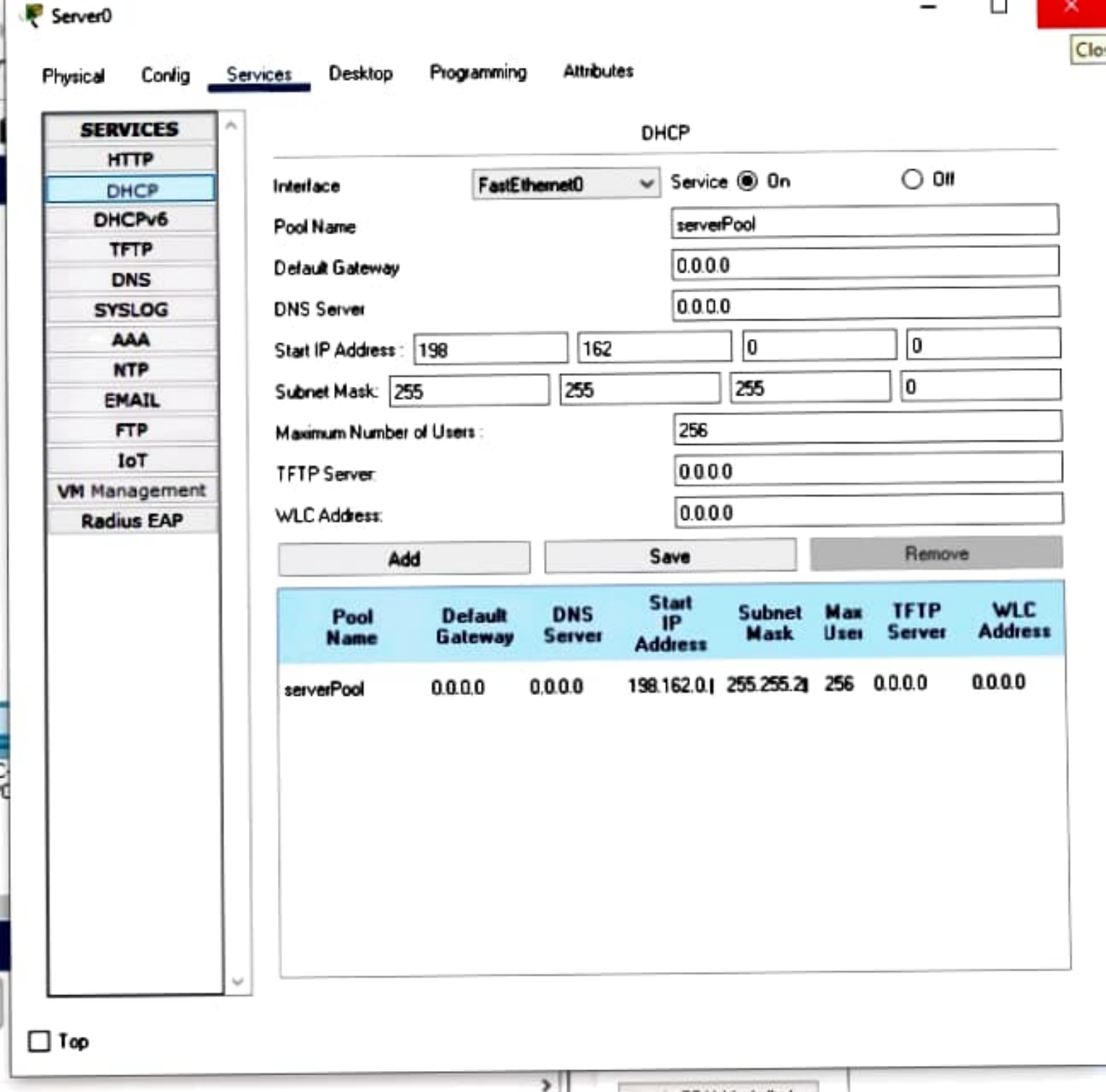
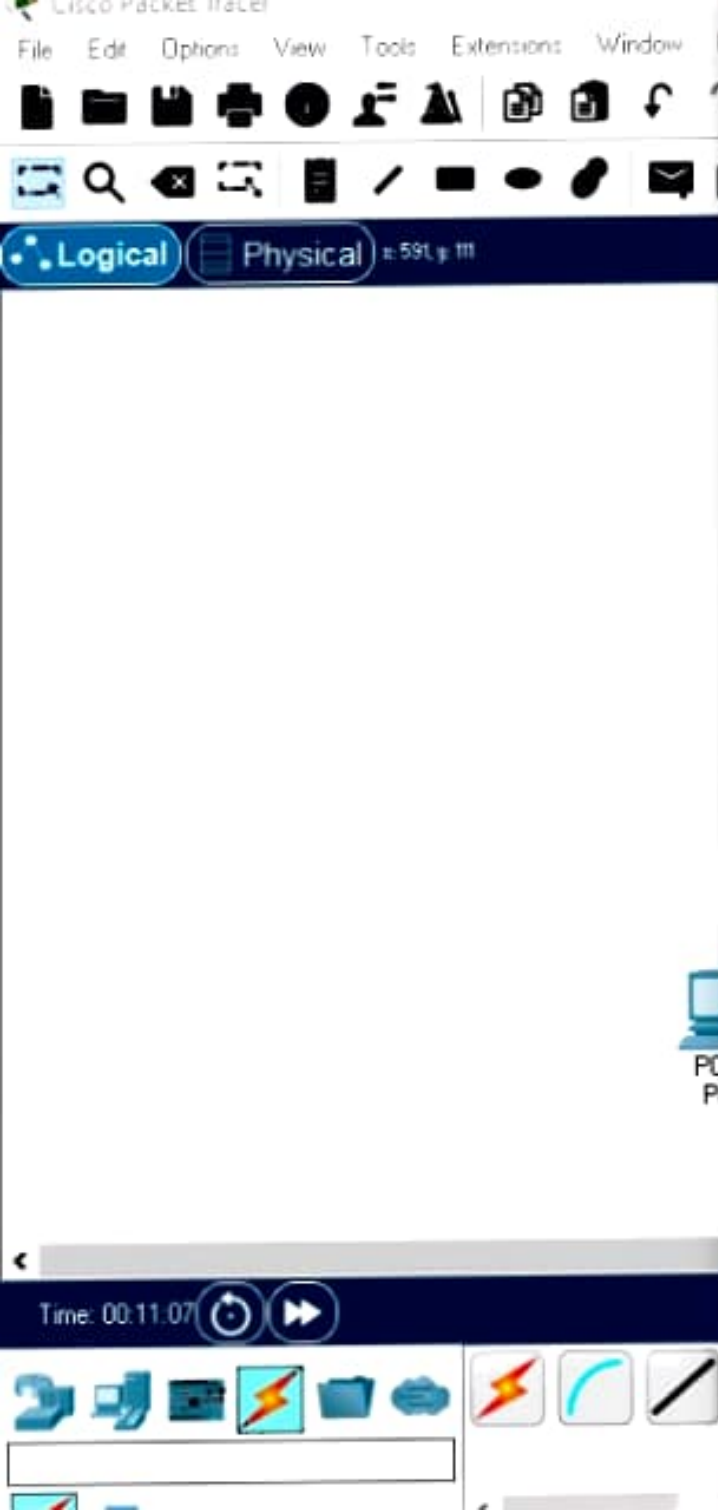
Step 6: Now go to PCs and select IP configuration and select DHCP setting.

Step 7: IP address dynamically created for all PCs

Amit







INTERFACE

FastEthernet0

Bluetooth

Bandwidth 100 Mbps 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 000A.F38D.D22E

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 198.162.0.10

Subnet Mask

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80: 20A:F3FF:FE8D:D22E

☐ Top

IP Configuration



Interface

FastEthernet0



IP Configuration

☒ DHCP☐ Static

IPv4 Address

198.162.0.11

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic☒ Static

IPv6 Address

 /

Link Local Address

FE80:2D0:58FF:FE55:20DA

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password