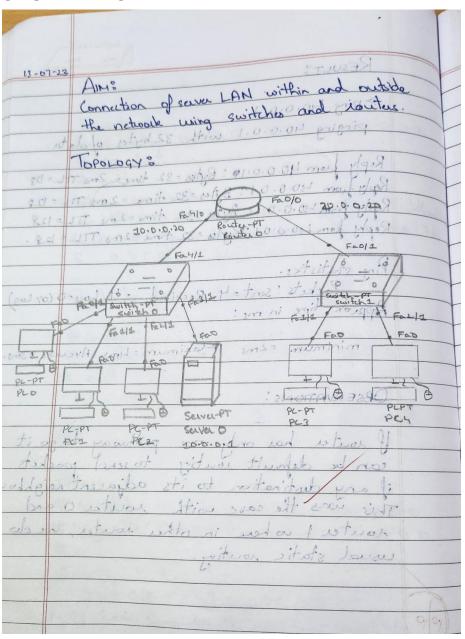
## **EXPERIMENT 4**

## AIM:

Configure DHCP within a LAN and outside LAN.

## **OBSERVATION:**



Bafna Gold PROCEDURE: Select two or more PC and on service connecting to switch and another network with only end devices and switch. -> Connect both switches to wuter. > Set IP address of server as 10.0001 - Now, go to services < select DHCP < save the current IP address , 70.0 diz. don's of configuration of PC outside the - Now, check the IP addieses of other devices in the network in the IP configuration in desktop. of Mors in the DLT of Jouter enable Pollow stops? > enable # config t 5.0.0.01 pig < 39 # interface fastethernet 4/0. # 1P adding 10.0.0.20. 255.0.00 # no shut # exit . too herest trever # interface fastethernet 0/0 # 1P address 20000 20 255.0,00 starte # hoshiet se find : c. 0.00 may want # exit : s. a. 0. 01 sal ratherto pily -> Go to seria Locon ig & gateway 10.0.0.20 branching i ent just lower stonishings nd = jour , znast = municot, end = numinot

-> Now in router we need to set if endoluse of server. # config to so your so out tosles -# past ethernet 010 of mitorians # 1P helper address 10.0-01d this # no shut # exitting of soldiers that trans > Now go to server & services & BACPZ add new IP address 20.0.0.2. > To check the connections go to the W configuration of PC outside the network and click on OHEP! and IP gateway! will be Nisiblepitos 91 off is shouten aft in RESULT: From sever from PCZ to PCO whose ip address is 10.0.0.2. 12013 PC > ping 10.0.0.2 5 silves # OH trustetial motori # pinjing 10.0.0.2 with 32 bytes of data: Request timed out. Time # Reply from 10. 0.0. 2 1 byte = 32 time = on TTL=125 Keply from 10.0.00020: byte = 320 time = 2mg TTL=125 Reply from 10.0-0.2: byte = 32 trimed 2 ms TIL= 125 piny statistics for 10.0.0.2: Packets - sont 4 Received =3 Lost=1 Approximate wound trip time in milliseconds. Minimum = 2ms, Maximum = 12cms, Avuge= 6ms.

OBSERVATION! the saves pols earlies all Each end device get IP address assigned from the server. network to another. > It can be seen that the end devices get the IP address. from configured steet 1P address. DHCP config pool: Gateway Start IP. Server pool 20.0.0.10 20.0.0.1 10.0.0.10 110.0.0.2

## Result:

