Ex:04 16/08/24

## Bractical-4

Aim:

Strup and configure a LAN using a Switch and Ethernet cables in your lab.

Proceduro:

Step-1: Blan and Design an appropriate appropriate notwork topology taking into account network requirements and equiment location.

Stop-2: You can take 64 Computers, a Switch with 8, 16 or 24 ports which is sufficient for network of these sures and 4 Ethernot cables.

Step-3: Connect your computers to network switch via on Ethernet Cable, which is as simple as plugging one of end of the Ethernet cable into your computer and other end into your connectwork switch

Step-4: Assign IP address to your PCs

1) Log on to the client computer as Administrator

2) Click Network and Internet Connection

3) Right Click Local Area Connection / Ethernet -> bro to Proporties -> Select Internet Protocol (TCP/IP, 4) -> Click on Properties -> Select use the following ip address option and assign ip address, Simp Similarly assign IP address to all PCs connected to swritch. PCI-IP address: 10.1.1.1, subnet 255.0.00 PC2-IP addells: 10.1.1.2, subnet 255.0.0.0 PC3-IP address: 10.1.1.3, subject 255.0.0.0 Step-5: Configure a network switch 1) Connect your computer to the switchesto 2) Log in to the web interface 3) Configure basic setting: 4) Assign IP address as: 10.1.1.5, subject mask 255.0.00 Step-6: cheek the connectivity between switch and other machine by using ping command in the command prompt of the device. Stelect 7: Select a folder -> go to properties Sharing tob > share it with everyone in the same a LAN , Myssonie is Step-8: Try to access the shared folds from other computes of the network.

E Student observation 16 Diagram of LAN Nodel Nodoz 10.1.1.2 10.1.,1.1 Share IP Configuration Nodo! IPvu Address 10.1.1.1 Nodez IPVa Address 10.1.1.2 Outcome The file sent thoough click Run: [1/10.1.1.2]/Wer//RECJis set successfully LAN setup in our lab is successfully done and completed.