**NFS server connection through ethernet between 2 rpi**

Step 1:-Connecting 2 rpis through ethernet

On each Raspberry Pi, open the terminal and enter the following command to configure the network settings:

**sudo nano /etc/network/interfaces**

This will open the network interfaces file in the Nano text editor. Make the following changes to the file:

**auto eth0**

**iface eth0 inet static**

**address (i.p address of rpi2)**

**netmask 255.255.0.0**

Save and close the file. Repeat this step on the other Raspberry Pi, changing the IP address.

Step 2 :Setting up NFS server and client (NFS protocol)

->On server and client install nfs kernel server

(*sudo apt install nfs-kernel-server*)

**\*Only on server**   
->Make directory (folder) you want to mount on other rpi

*sudo mkdir -p /home/pil-itc/nfs/shared*

-> Give the server permission to make changes

*sudo chown pil-itc:pil-itc /home/pi/nfs/shared*

-> Giving permission to all for read , write and execute

*sudo chmod 777 /home/pi/nfs/shared*

->Configure export

*sudo nano /etc/exports*

Add this line to it :

*/home/pi/nfs/shared (i.p address of client rpi) (rw,sync,no\_subtree\_check,no\_root\_squash)*

->export the shared directory

*sudo exportfs -ra*

->restart the kernel

sudo systemctl restart nfs-kernel-server

**On Client**

->Make directory where you want the data to be mounted

*mkdir -p /home/pi/nfs\_client\_mount*

sudo mount (i.p address of rpi server):home/pi/nfs/shared /home/pi/nfs\_client\_mount

For auto mount :

Open

*sudo nano /etc/fstab*

And add this line to it :

(i.p address of rpi server): /home/pi/nfs/shared /home/pi/nfs\_client\_mount nfs defaults,\_netdev,auto,sync,noatime,actimeo=0 0 0

It is mounted