Work Breakdown

1. **After installation we have to go through some commands on terminal**

STEP1: Sudo get update

```
pi@raspberry:~ $ sudo apt-get update
```

STEP 2 : Install NTFS service

```
pi@raspberry:~ $ sudo apt-get install ntfs-3g
```

STEP 3 : Install SAMBA server

```
pi@raspberry:~ $ sudo apt-get install samba samba-common-
bin
```

STEP4: Search all the available disks

```
pi@raspberry:/ $ lsblk
NAME   MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda      8:0    0    8G  0 disk
├─sda1   8:1    0    7G  0 part /
├─sda2   8:2    0    1K  0 part
└─sda5   8:5    0  975M  0 part [SWAP]
sr0     11:0    1 1024M  0 rom
```

STEP5 : Create a new directory

```
pi@raspberry:~ $ sudo mkdir /external
pi@raspberry:~ $ cd /
pi@raspberry:/ $ ls
bin       home            media  run   usr
boot      initrd.img      mnt    sbin  var
dev       initrd.img.old  opt    srv   vmlinuz
etc       lib             proc   sys   vmlinuz.old
external  lost+found      root   tmp
```

STEP6: Search unmounted disks

```
pi@raspberry:/ $ sudo fdisk -l
Disk /dev/sda: 8 GiB, 8589934592 bytes, 16777216 sectors
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x53eaaba3

Device     Boot    Start      End  Sectors  Size Id Type
/dev/sda1  *        2048 14776319 14774272    7G 83 Linux
/dev/sda2       14778366 16775167  1996802  975M  5 Exten
/dev/sda5       14778368 16775167  1996800  975M 82 Linux
```

STEP7: Mount unmounted disk to external directory

```
pi@raspberry:/ $ sudo mount /dev/sda1 /external/
pi@raspberry:/ $ lsblk
NAME   MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda      8:0    0    8G  0 disk
├─sda1   8:1    0    7G  0 part /external
├─sda2   8:2    0    1K  0 part
└─sda5   8:5    0  975M  0 part [SWAP]
sr0     11:0    1 1024M  0 rom
```

STEP8: Create a samba configuration file

```
pi@raspberry:/ $ cd etc/samba
pi@raspberry:/etc/samba $ ls
gdbcommands  smb.conf  tls
pi@raspberry:/etc/samba $ vi smb.conf
```

```
[RaspberryPiNas]
comment='Pi Nas Server'
writeable=yes
read only=no
browsable=yes
path= /external
create mask=0777
directory mask=0777
public=yes
force user=root
guest ok=yes
```

STEP 9 : Restart SAMBA file

```
pi@raspberry:/etc/samba $ sudo /usr/sbin/samba restart
```

STEP 10: Create a file

```
pi@raspberry:/external $ touch abhishek.txt
```