**Dt: 03/06/2021**

**Commands for configuring router: -**

* **enable :** to get/or go into root access of router console.
* **show running-config** : to check the default configuration file.
* **configure terminal** : to come in configure mode.
* **enable password PASSWORD** : to add password.
* **hostname NAME :** to change name of router.
* **enable secret PASSWORD:** do this in configure terminal to give more protection.
* **line console 0 :** to go in line configuration mode.
  + **password PASS :** to add password to line.
  + **login :** to activate password.
* **banner motd $message you want to print on console$**
* **no enable password :** to disable password.
* **service password-encryption –** to enable password encryption.
* **no service password-encryption –** to disable password encryption.
* **no enable secret :** to disable secret password.
* **line vty 0 4 :** to create 5 simultaneous virtual connections (perform inside config terminal)
* **ip nat inside source static 50.0.0.2 10.0.0.2**

**TO ADD IP TO PORT**

1. configure terminal
2. interface gigabitEtherent 0/0/0
3. no shutdown (to enable/ON the port)
4. ip address 192.168.0.1 255.255.255.0
5. description add\_any\_description\_u\_want\_to\_add
6. exit

**IP ROUTE (static)**

1. configure terminal
2. ip route 60.0.0.0 255.0.0.0 50.0.0.1

**IP ROUTE (rip)**

1. configure terminal
2. router rip
3. network 70.0.0.0