**LAB-8**

**STATIC ROUTING**

**PROCEDURE:**

1. For static routing we will take 2 routers connected with switches and 2 PCs with each switches
2. We will create 2 different networks using these 2 routers
3. Now we will connect both routers with each other
4. Now we will assign IP to the router1 that will be 192.168.1.1
5. Now we will assign IP to both PCs connected to the router1 on PC1 we will assign 192.168.1.2 with default gateway that is the IP of the router1 as it is connected to the router1
6. Now on PC2 we will assign IP 192.168.1.3 and as stated above default gateway is the IP of the router from which the PC are connected.
7. Same work will be done on router2 and the same on their PCs.
8. On router2 we will assign IP 192.168.2.1
9. On PC3 we will give IP 192.168.2.2 and default gateway is the IP of the router from which the PC is connected.
10. On PC4 we will assign IP 192.168.2.3
11. Now on router1 we will do these following commands
12. Type **config terminal**
13. Type **int f 0/1**
14. Type **ip address 192.168.2.0 255.255.255.0 10.1.1.2**
15. On router 2 type **config terminal**
16. Type **ip address 192.168.1.0 255.255.255.0 10.1.1.1**
17. Now the static route is set the PCs will be able to communicate with each other.

That was all from this practical.