Lab Exercise – I

Implement the topology given below on cisco packet tracer:

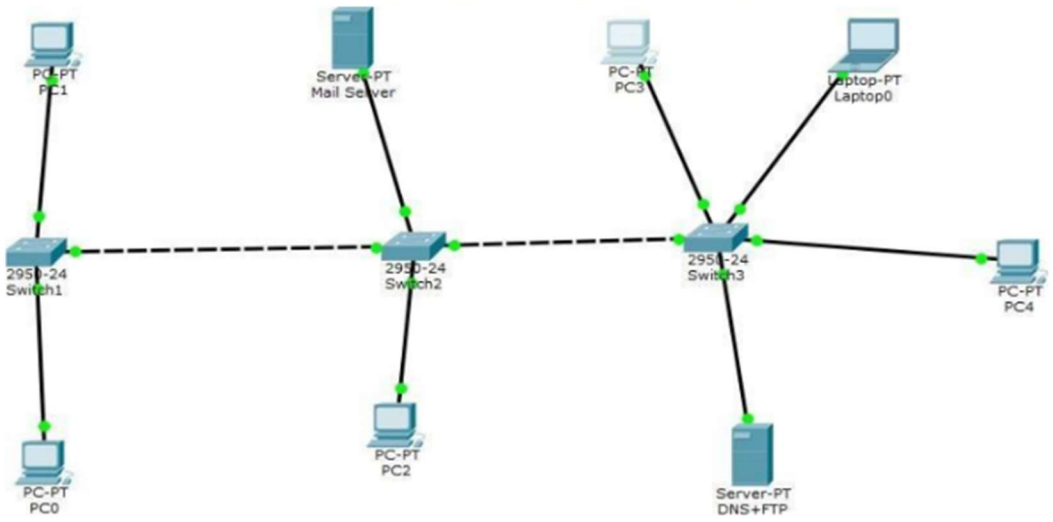

Figure 33

Do the following:

- Assign IP to the computers. The Network should like this XX.XX.YY.0. i.e. your roll number like 3879(38.79.1.0) and for all other networks Y should be replaced by 2, 3 and so on.
- Ping the server from any computer.
- Verify the telnet connection from all switches nearest to the computer.
- Do change the IP of Switch2 from PC2 using its command prompt.

Lab Exercise – II

Implement the topology given below on cisco packet tracer:

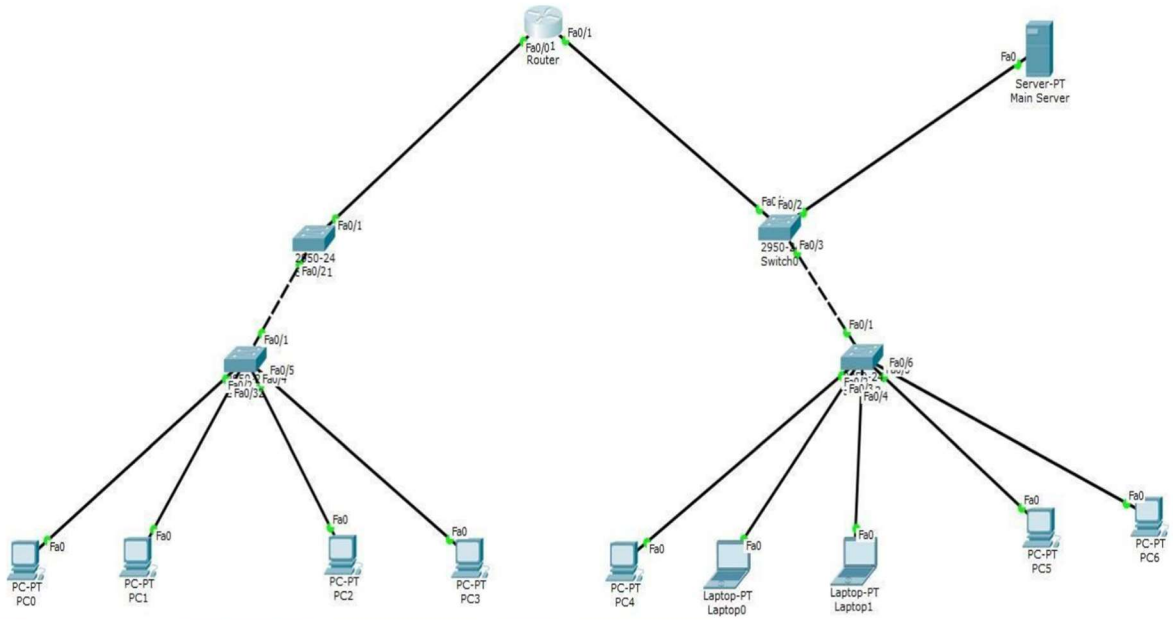

Figure 34

Do the following:

- The IPs should be assigned to the computer using static method and to the router using CLI. The Network on one side of FastEthernet should like this XX.XX.YY.0 i.e. your roll number like 3879(38.79.1.0) and on another side it should be 3880(38.80.2.0).
- Run command of show run on Switch0 and Switch1 and take screenshot of it.
- Verify SSH and do assign IP to another interface of Router. It should be done through laptop0.Take screenshot of it.

Lab Exercise – III

Implement the topology given below on cisco packet tracer:

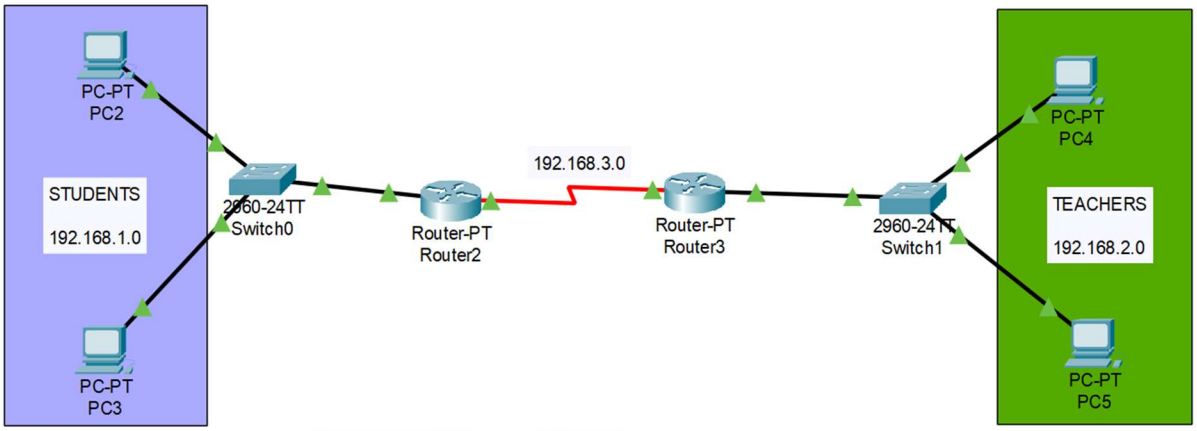

Figure 35

1. Prevent PCs in the STUDENTS network from communicating with any device in the TEACHERS network. But, TEACHERS should be able to communicate with the STUDENTS.

2. Only allow any one PC in the STUDENTS network (for example: as a CR communicates with teachers) to access and communicate with the TEACHERS network, blocking every other device in the STUDENTS network.