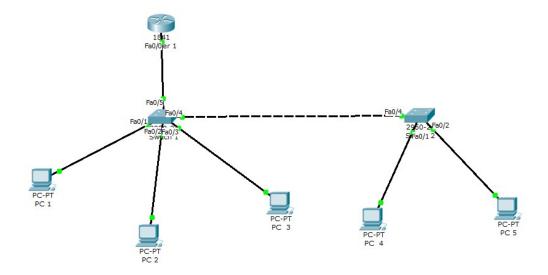
Computer Networks 2nd Year, 1st Semester

VLAN Configurations (with VTP)



1. Assign IP addresses for the PCs.

PC1 - 192.168.100.5

PC4 – 192.168.100.6

PC2 - 192.168.50.5

PC5 – 192.168.50.6

PC3 - 192.168.150.5

2. Create 3 VLANS in Switch 1 – IT, HR, and SALES (VLAN IDs 100, 50, 150 respectively).

Propagate VLAN details to switch 2 via VTP.

3. Assign ports to VLANs.

Switch1 Fa0/1 - IT

Switch2 Fa0/1 – IT

Switch1 Fa0/2 – HR

Switch2 Fa0/2 – HR

Switch1 Fa0/3 – SALES

4. Assign IP addresses for the router's sub-interfaces.

Fa0/0.100 - 192.168.100.1 255.255.255.0

Fa0/0.50 - 192.168.50.1 255.255.255.0

Fa0/0.150 - 192.168.150.1 255.255.255.0

- 5. Display the VLAN and VLAN membership information.
- 6. Make necessary configuration for the PCs, Router and Switches.
- 7. Verify the connectivity.