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Course - MCA - 2<sup>nd</sup> Sem

Section - 'B'

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Subject Name - CN Lab

Subject Code - PMC - 202

Problem Statement - Design a n/w for the HR department & size of the department is 10 users. Also, show the communication between user 1 & user 5.

Objective - To create an LAN using switch for department.

Description -

- Switch - Switches are networking devices operating at layer 2 or a data link layer of OSI model. It connects other devices together in a network.
- LAN - LAN stands for Local area Network. It interconnects computers within a limited area such as school, university campus etc.

Step 01 - Select a switch 2950-24 and 10 PCs from packet tracer in its workspace.

Step 02 - Connect PCs to switch using Copper Straight-through Cable. (by clicking FastEthernet 0/1...80 on).

Step 03 - Now config IP address by clicking on PCs then in the upcoming window click on Configure IP, then click on desktop tab then click on IP config then assign IP by selecting static radio button & then giving IP address as 192.168.10.1

Shivani

for PC0, and repeat the same steps ②  
for remaining PCs.

Step 04 - Check communication between PC0 (user1)  
and PC4 (user 5) using ping command ~~in~~  
by clicking on PC0 then go to terminal  
and write command "ping 192.168.10.5"