**Assignment # 03**

**Network Design in <Name of Organization>**

**Submitted by:**

**Roll #**

1. **Description of the Network design:**
   1. Name of the organization: <must be some real organization>
   2. Number of buildings in the organization
   3. Number of floors in each building (may vary from building to building)
   4. Number of rooms, labs, offices etc in each floor (may vary from floor to floor)
   5. Number of routers used **(minimum 8 routers)**. State your strategy for using the routers such as floor wise, building wise etc.
   6. Number of switches used (may vary based on the total number end devices used in the particular room, office, lab etc).
   7. Total number of PCs or end devices used.
2. **Number of networks used**<some of the sample data can be as follows>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.no | Name | Number of PCs | Network address | Subnet mask |
| 1 | Accounts office | 10 | 192.168.1.0 | 255.255.255.240 |
| 2 | DLD lab | 35 | 192.168.2.0 | 255.255.255.192 |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Screen shot of your network design in packet tracer**