# Overview of local area network

There are a different set of devices used for maintaining a local area network. The use of the internet is everywhere today. First of all, we can start with a request given by a user that he wants to open a particular website. The request is sent to the corresponding router with the help of IP address the request is passed to the server and from server, it is sent to the internet service provider. The ISP will provide the necessary information regarding the respective data the user needed and pass it back in the same path.
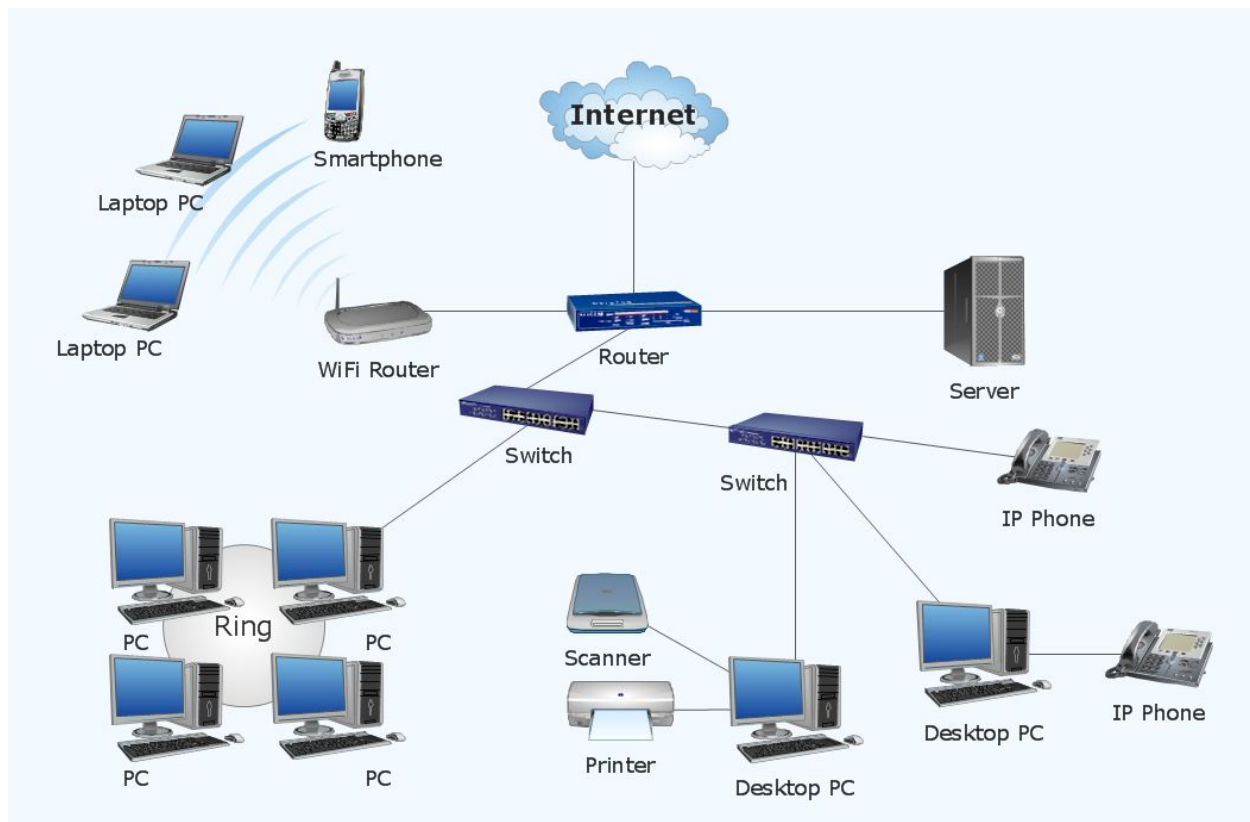
- The ISP will provide a fiber optic cable to our institution. Here they will maintain a fiber optic to LAN converter.
- Here we will set up of a firewall, whenever there is a virus attack or any hacking problem then this firewall will act as a protective device.
- With the help of switch, they are connected to various routers.

- There will be a set of hard disc to maintain the complete database, as we use Oracle in our institution.
- There is also a facility to back up data if there are any unexpected crashes in the network.
- One more additional feature is proxy, with the help of proxy we can manage or block some of the unnecessary sites and we can maintain the complete log of each and every user.