**PRACTICAL NO 1**

**AIM:Install DHCP Server in Ubuntu 16.04**

**INTRODUTION:**

**Dynamic Host Configuration Protocol** (**DHCP**) is a network protocol that is used to enable host computers to be automatically assigned IP addresses and related network configurations from a server.

The IP address assigned by a DHCP server to DHCP client is on a “lease”, the lease time normally varies depending on how long a client computer is likely to require the connection or DHCP configuration.

**STEPS:**

* command to install the DCHP server package

$ sudo apt install isc-dhcp-server

* When the installation completes, edit the file **/etc/default/isc-dhcp-server** to define the interfaces DHCPD should use to serve DHCP request.

The main DHCP configuration file is /etc/dhcp/dhcpd.conf, you must add all your network information to be sent to clients here.

* Now, open and modify the main configuration file, define your DHCP server options:

$ sudo vi /etc/dhcp/dhcpd.

. Now, define a subnetwork;

here, we’ll setup DHCP for 192.168.10.0/24 LAN network.