Note:*Ngspice will automatically be installed if you have already installed Oscad. So, one can directly start practising ngspice tutorials.*

1 The procedure to install ngspice in Linux OS

To follow the installation procedure, you are required to be connected to the `Internet`. You can install `ngspice` in two ways:

1. Through `Synaptic Package Manager`. For this you must have `Synaptic Package Manager` installed on your machine.

2. Through the `Terminal`.

1.1 The procedure to install `ngspice` using `Synaptic Package Manager`

1. On Ubuntu 10.04 - Click on `System >> Administration >> Synaptic Package Manager`.

2. On Ubuntu 11.04 and higher,

   (a) Press the `Window` key on your keyboard to open `DashHome`.
   (b) Type `Synaptic Package Manager`.
   (c) Click on the `Synaptic Package Manager` option.

3. Enter your `admin password`.

4. Click on `OK`.

5. In the search box, type `ngspice`.

6. Click on the `ngspice` check box >> click on `Mark for Installation`.

7. Click on `Apply`.

8. The installation will take a few minutes to complete, depending on your Internet speed.

9. After the installation completes, open the `terminal` and type `ngspice -v`.

10. This will display ngspice version number.

11. This message shows that the installation is successfully done.

1.2 The procedure to install `ngspice` through Terminal

1. To install `ngspice`, open the `terminal`.

2. To do so, press `Alt + CTRL + T` keys together.

3. Type `sudo apt-get install ngspice`

4. It will prompt for the `admin password`.

5. Type your password.

6. The installation will take a few minutes to complete.

7. `Ngspice` will be installed.

8. To check the installation, type `ngspice -v`. This will display ngspice version number.

9. This shows that the installation is successfully done.

2 The procedure to install ngspice in Windows OS

1. To follow the installation procedure, you should are required to be connected to the `Internet`.

2. Go to `https://sourceforge.net/projects/ngspice/files/ng-spice-rework/26/`

3. From the list, download `ngspice-26-140112.zip` .

4. Unzip the zip folder to your desired directory. This zip file contains MS Windows executable files for `ngspice`.

5. To launch `ngspice`, locate `spice/bin` in this directory.

6. Double click on `ngspice.exe` file.

7. The successful installation will open the ngspice terminal window.