# Practical: 10

**Aim:** To learn installation of various computer systems.

1) Installation of printer

2) Installation of External board

3) Installation of wireless module

## 1). Installation of printer:

The printer driver is software that allows the computer to interact with the printer and convert data from the computer into a printable format.

Using a Printer Driver Installation Program:

While relatively rare these days, some printers might require you to run a printer driver installation program rather than allowing Windows to install the driver on its own. To do so, go to the manufacturer's web site and look for the printer driver download file (often found in the Support section). Download the file and double-click it to run the installation and setup. Follow the instructions, and you'll be up and running in minutes.

Basic steps for installation of Printer drivers are:

• Select Start > Settings, type device installation in the search box, and select.
• Change device installation settings > Yes > Save Changes
• Add a printer from Settings > Printers & scanners > Add a printer or scanner.
• If your printer needs a special driver installation program, go to the manufacturer's download site to get and run it.

## 2). Installation of Internal and External Board:

A motherboard is arguably the most important part of a computer. All the components of the computer are plugged into the motherboard. So, it becomes very crucial to install the motherboard correctly for the proper functioning of your PC.

Steps for Installation of Motherboard:

- Prepare your Tools.
- Unpack the Board.
- Measure where the Motherboard goes.
- Screw in the Standoffs.
- Remove Unnecessary Bits.
- Install I/O Shield.
- Slide the Motherboard into Place.
- Screw the Motherboard.
- Identify and Plug-in the ATX Connector.
- Identify and Plug-in CPU Power Connectors.

**Steps to install Keyboard drivers:**

- Navigate to Device Manager and right-click on the keyboard and click on Update Driver Software
- Click on Browser my computer for driver software.
- Click on Let me pick from a list of device drivers on my computer.
- Navigate to the Driver package folder (x86 folder for 32-bit machines and x64 folder for 64bit machines) and select kbfiltr.inf and click on Open.
- On the Update Driver Warning pop-up, click on Yes.
- On the Windows Security pop up, click on Install this driver software anyway. ● On the System Settings Change pop up, click on Yes. This will reboot your machine.

**3). Installation of Wireless Module:**

A driver is essentially a piece of software designed for a specific operating system like Windows 10, Linux, and others. The OS uses it to communicate with other hardware devices like a mouse or a printer. Most hardware manufacturers feature their own product support page where you can find the necessary drivers available for download.

You will find that the Windows OS has a set of drivers installed already and you do not have to do anything except plug in the device. If the driver is not available locally, it will pull it down from its web server and install it for you automatically, once you connect the device. But there may come a time when you face issues using your WiFi and at such times you may have to reinstall your WiFi drivers.

**Basic steps for Installation of Wireless Module:**

● To download the WiFi driver, visit your device manufacturer's website and search for the right driver you would like to install. I use an HP laptop so when I install their website and allow them to scan my laptop, it displays the drivers or updates available for my device.

● Next, you need to download the right Wi-Fi driver, if available. You need to know the exact name and version of the driver so that you can download it. You can get this information from the Device Manager as explained below. Make sure that you have downloaded the right wireless adapter driver.

● When done, launch the setup of the new driver that you downloaded earlier and run the file. Follow the on-screen directions to install the driver.