Syllabus

PC Hardware and Assembly

1. **Introduction to PC Hardware:**

Study of basic I/O systems, Types of Memories- Static RAM and Dynamic RAM, ROM, PROM, EPROM, EEPROM, CPU (Central Processing Unit)- ALU and control unit.

2. **Motherboard, Processor and BIOS Configuration:**

Study of different types of Motherboards, Motherboard Configuration, Identifying Internal and External connectors, Types of data cables, Types of Processor- Intel Pentium IV, Dual core, Core 2 Duo, Quad processor etc,.

Study of BIOS Set-up- Advance set-up, Boot configuration, Boot Menu.

3. **Installation of OS (Operating Software):**

Windows/Linux

4. **Hard Disk:**

Formatting of Hard disk, Partitioning of Hard disk in different logical drives, Disk defragmentation, Disk cleanup, Scan disk etc,.

5. **Installation of Device Drivers and Configuration of External devices:**

Different types of Motherboard drivers, LAN, Audio, and Video.

Physical set-up of Printers- Performing test print out, Printing of document etc, Scanner set-up, Webcam, Bluetooth device, Memory card reader etc.

6. **Assembling PC – Practical**