

Certificate Course in PC Assembly & Maintenance

Objective of the Course:

This Certificate course will enable the students to understand the fundamentals of PC assembly and maintenance. This course would lay more emphasis on developing the practical skills of the student.

Learning Outcome:

After the completion of the course, the students will be able identify different components inside the computer and understand troubleshooting of Computer

Duration of the Course: 4 weeks (40 Hrs.)

Course Fee : 2000/- + GST (18%)

Minimum Eligibility Criteria: Pursuing / Passed class 12th

COURSE OUTLINE

Sr. No.	Modules to be Covered
1	Understanding the basic of computer and its different I/O devices
2	Develop skills to identify Monitors (CRT/ LCD/LED),Memory
3	Develop skills to identify Hard Disk (SATA, USB, Solid State)
4	Develop skills to identify components and configuration of Motherboard
5	Develop skills to identify I/O Ports, graphic cards and their usage
6	Develop skills to install and configure Printer/Modem/OS/Scanner
7	Acquiring skills to troubleshoot and recovery of Computer
8	Develop skills for preventive maintenance & setting up of Anti-Virus

Detailed Course Syllabus:

- 1. Understanding the basic of computer and its different I/O devices**
 - Identification of various parts of Computer
 - Connection of various devices like CPU, Monitor, Mouse

- 2. Develop skills to identify Monitors (CRT/ LCD/LED), Memory**
 - Tracing of various Primary memories i.e. RAM and ROM on the board
 - Their capacity/size.

- 3. Develop skills to identify Hard Disk (SATA, USB, Solid State)**
 - Identify secondary memory like Hard Disk
 - Its types, size & other specifications.

- 4. Develop skills to identify components and configuration of Motherboard**
 - Identification the components of Motherboard
 - Connection of Motherboard

- 5. Develop skills to identify I/O Ports, graphic cards and their usage**
 - Identification & information of Different types of I/O Ports available in the CPU and their purpose
 - Identify Graphic & other cards and their function & testing

- 6. Develop skills to install and configure Printer/Modem/OS/Scanner**
 - Installation of Operating System Windows
 - Interface Printers, Scanner, Modem
 - Installation of Printer Driver, Modem

- 7. Acquiring skills to troubleshoot and recovery of Computer**
 - Create Backup file
 - Use of POST (Power on SelfTest)
 - Troubleshooting Boot Failures

- 8. Develop skills for preventive maintenance & setting up of Anti-Virus**
 - Computer maintenance and security
 - Running of virus protection programmer