

## **Six Months Course in Computer Hardware & Maintenance (NIELIT CERTIFIED)**

- ☐ Assembling & Disassembling of Computers/Installing the peripherals devices
- ☐ Repair of Computer upto Card label
- ☐ Installing /Uninstalling different software's
- ☐ Data recovery
- ☐ Maintenance & formatting of computers
- ☐ Password breaking
- ☐ Protecting the computer from virus

Detailed Syllabus:

### **Module-I**

Introduction to Computer, Uses of Computer, History of Computer, Fundamental of Computer, Different between Hardware & Software, Different types of computers inside PC and its peripherals devices, Booting concept of computer in DOS and Windows environment, Different input and output devices/ cables, connectors identifications, Identifications of different types of motherboard, controller cards, display cards, sound card AGP cards FAX/Modem Cards, TV Tuner Cards, LAN Cards, Ethernet cards, Different types of RAM used in PC's.

### **Module-II**

BIOS setting, Formatting of Hard Disk, Installation of Operating System i.e. DOS/Windows, Off-line drive installation / online drive installation / Driver backup / restore / partition formatting / Windows file repairing / BIOS password break / Administrative password break / Data recovery / Pen Driver bootable / Sound Problem / USB Problem / LAN problem etc.

### **Module-III**

Application Software Installation/ Different types of Application Software/ Antivirus Software Installation/ different types of Antivirus Software/ Protect PC from Virus / Hard Disk utility Software / Dual Booting Installation etc.

### **Module-IV**

System integration of different types of computers, such as PC, PC-XT, PC –AT etc. upto Pentium-4 label, Trouble shooting of different types of faults, Different computer cards identifications and trouble shooting, Power supplies installation and trouble shooting, Different types

of SMPS identifications, Hard Disk driver installation and configuration setting, Use of CD ROM and DVD Drivers, Using of FDD drives, Different types of keyboards, repairing and maintenance, different types of monitors, Monitors Repairing / Maintenance / Mouse repairing and Installation.