



Certificate in Hardware & Networking

Duration : 240 Hrs / 3 Months

UNIT - 01

FUNDAMENTAL OF COMPUTER:

Block diagram and brief introduction of each block. Types of computers.

UNIT - 02

PERSONAL/ MICRO COMPUTERS : PC, Main Parts : CPU Box, Monitor, & Peripherals [Keyboard, Mouse, Speaker]. Inside CPU Box: Motherboard, I/O Cards, Cables, Floppy Drivers, HDD, CD-Drive.

MOTHER BOARD IN DETAIL: Nomenclature, technology, standards AMD CPUs, Cyrix CPUs. CPUs: CPU over clocking, troubleshooting, CPU problems. Chip Sets: AMD chip sets, Intel chip sets, VIA chip sets SIS. chip sets, OPTI chipsets, Legacy and support ICS.

UNIT - 03

MEMORY: Basic Concept - Types of Memory - RAM and ROM

Memory Chips: RAM and ROM EPROM. Memory Modules and packaging, Logical and Physical organization of memory in computer. Cache Memory - LX and LZ, EDO. Various terms used in computer memory.

UNIT - 04

PC-ASSEMBLY AND CMOS SETUP AND TROUBLESHOOTING:

Observation of all parts of Floppy drives, HDD, CD, and SMPS. Identification of cables and computers. Mounting Motherboard in cabinet Installation of cards, devices and then connecting cables. Fitting of cabinet. CMOS – Setup Troubleshooting.

UNIT - 05 :

BASIC OF PRINTERS: Types of printers and printing mechanism, How printer works Inject printer, working of laser printer, Fonts / Type faces Trouble shooting printers.