

Diploma in Computer Hardware & Networking

Req. Qualification-XII

Duration (6 Months)

Registration Fee-200/-

Monthly Fee-400/-

Classes : 2 Hours

Module 1: Computer Hardware Concept.

1. Computer Hardware Overview, Block Diagram Details, Parts of Computer.
2. Motherboard: Types, Block Diagram, Identification of Ports, Chip, Slots, Connector, Section etc, Company, Price, Marketing Tips.
3. CPU: CPU Socket details, Types of CPU, Identification, and Basic Terminology of CPU.
4. RAM: Types of RAM, Identification of RAM, RAM Operating Voltage,
5. SMPS: Concept of Current, SMPS pin details, SMPS Voltage, Testing of SMPS, How to use Multimeter, Testing of Power Cable.
6. Hard disk: Hard disk Types, Identification of Hard disk, Jumper Setting, Warranty, Measuring concept etc.
7. CD/DVD Drive: Assembling/Disassembling of CD/DVD Drive, Types of CD/DVD Drive, Repairing of CD/DVD Drive, Jumper Settings Etc.
8. UPS: Types, How UPS work, Measurement, Testing of UPS, Battery Concept.
9. Keyboard and Mouse: Types, Identification, Repairing of Keyboard and Mouse.
10. Monitor: Different CRT, LCD & LED monitors.
11. Printer: Types of printer, cartridge refilling, Head Logic card error.
12. Cabinet: Open and remove different type cabinets
13. Assembling and Disassembling of Computer, Marketing Tips, Testing of all Parts of Computer.

Module 2: Assembling of Personal Computer.

Partition/Format and Windows Installation.

Partition Concept, Types of Partition, Format Concept, Types of Format.

F-disk

Disk Manager (DM)

Windows XP Installation

Win -7 Installation

Win- 8 Installation

Server 2008 Installation

How to install any Operating system without Data lost.

Multi-Boot with different operating system at a time.

Windows XP Installation by Pen Drive.

Win-7 Installation by Pen Drive.

CMOS Setup.

Password Breaker

Module 4: Software and Utilities.

1. Installation of All types of Software.
2. Software Extension Details.
3. Partition Magic.
4. Data Recovery.
5. Computer Management.
6. Driver Installation.
7. Antivirus Installation
8. Tally installation and Tally Data Backup.
9. System Properties
10. CD/DVD Burning.

Module 4: Internet Concept/Networking/Troubleshooting.

Introduction to Networking Components.

Network Components

Types of Network,

Troubleshooting of Network.

Diagnostic Tools of Internet & Networking.

Downloading the Drivers from Internet

Installation of Drivers

Outlook Express Configuration, Mail and Address book backup/Restore.

Ms-Outlook Configuration and Backup.

Configuration of Gmail ID in outlook express.

Networking Concept, Cabling and Crimping.

Workgroup Networking, Driver and Device Sharing.

Team Viewer.

Wireless Networking.

Network Troubleshooting.

General Troubleshooting of Computer.