

# Computer Hardware

## 1) Fundamental Of Computer

- Types Of Computer
- PC Components, Features, And System Design

## 2) Microprocessor

- Processor Specifications
- Cache Memory
- Processor Hierarchy
- Multitasking & Multiprocessing
- Processor Cooling
- Over Clocking
- Processor Troubleshooting Techniques

## 3) Memory

- Memory Basics
- Memory Standards
- Memory Types
- Memory Troubleshooting

## 4) Motherboard

- Motherboard Basics
- Types Of Motherboard
- Identification Of Motherboard Components
- Chipsets
- VRM Section
- Motherboard Troubleshooting Techniques

## 5) BIOS

- Bios Basics
- Upgrading Bios
- Bios Setup
- Bios Errors

## 6) Storage Devices

- Storage Device Basics
- Types Of Storage Devices
- Understand Working Of Storage Devices
- Storage Device Troubleshooting Techniques
- Data Recovery

## 7) Printer & Scanner

- Printer Basics
- Types Of Printer
- Understand Working Of Printer & Scanner
- Printer Troubleshooting Techniques
- Cartridge & Toner Refilling

## 8) SMPS

- SMPS Basics
- Identify SMPS Connectors
- Measure Voltage Of Each Wire
- SMPS Troubleshooting Techniques

## 9) I/O Devices

- I/O Devices Basics
- Types Of I/O Devices
- Functioning & Specification Of I/O Devices
- I/O Device Troubleshooting Techniques

## 10) Display Devices

- Display Devices Basics
- Types Of Display Devices
- Functioning & Specification Of display Devices
- Display Devices Troubleshooting Techniques

## 11) Identification, Installation & Troubleshooting Of Each Hardware Device

**12) Laptop & Desktop Assembling**

**13) CCTV & Biometrics**

AVATS