

**PAI Institute of Networking and Hardware Technology
(PAI-INHT)**

**CURRICULUM
OF
ONE MONTH COURSE IN COMPUTER HARDWARE AND NETWORKING**

	Session Details	Resources Used
Day 1	Session Topic: Basics of Computers	Course book
Theory	Session Contents: What is Computer ? Various Type of Computer Computer Hardware Keyboard, Mouse, Monitor, Printer, Speaker, Scanner etc.	Course book
Day 2	Session Topic: Basics of Computers	Course book
Theory	System Unit Front Side of the System Unit Back Side Of the System Unit Inside the System Unit	Course book
Day 3	Session Topic: Basics of Computers	Course book
Theory	Input Device Keyboard, Mouse, Scanner, etc. Output Device Monitor, Printer, Sound etc. Types of storage Device	Course book
Day 4	Session Topic: Basics of Computers	Course book
Theory	Types of storage Device 1. Primary Storage Device Ram, Rom 2. Secondary Storage Device Hard Disk, Cd, Dvd, Floppy Computer Software 1. System Software 2. Application Software	Course book
Day 5	Session Topic: Keyboard And Mouse	Course book
Theory	Types of Keyboard Keyboard Technology Keyboard Connectors Working of the Keyboard Types of Mouse Mouse Technology Mouse Connectors Working of the Mouse	Course book
Day 6	Session Topic: Ram	Course book
Theory	Introduction of Ram Types of Ram	Course book

Day 7	Session Topic: Monitor	Course book
Theory	Monitor characteristics Types Of Monitors Monitors Cable Technology Setting Monitor Appearance And Personalization	Course book
Day 8	Session Topic: Printer And Optical Media	Course book
Theory	Printer Printer characteristics Types Of Computer Printer Port Optical Media CD-ROM DVD – ROM	Course book
Day 9	Session Topic: Hard Disk Driver	Course book
Theory	History Of Hard Disk Drive Inside Hard Disk Hard Disk Structure And File System Hard Disk Tools	Course book
Day 10	Session Topic: microprocessor	Course book
Theory	Types of Microprocessor Components Of Microprocessor Microprocessor Basic	Course book
Day 11	Session Topic: Motherboard	Course book
Theory	Motherboard Components of Motherboard Motherboard From Factor	Course book
Day 12	Session Topic: BIOS Setup And SMPS	Course book
Theory	SMPS Power Supply, Power Connectors Types of Cooling System Understanding Function of BIOS	Course book
Day 13	Session Topic: OS Installation And Troubleshooting Basic	Course book
Theory	Installation of XP, Win7 And Ubuntu 12.04	Course book
Day 14	Session Topic: Introduction to Networking	Course book

Theory	Network Basic Basic Components of Networks Hardware And Software of networks OSI Model	Course book
Day 15	Session Topic: Types Of Networking / TCP/IP Protocol	Course book
Theory	Types Of Networking LAN MAN WAN TCP/IP Protocol Classification of IP Address	Course book
Day 16	Session Topic: Practical	Course book
Practical	Computer disassembling	Scrap Computers
Day 17	Session Topic: Practical	
Practical	Computer Assembling	Scrap Computers
Day 18	Session Topic: windows XP and application installation	
Practical	Windows XP installation Basic Application Installation	Computers
Day 19	Session Topic: windows 7 and application installation	
Practical	Windows 7 installation Basic Application Installation	Computers
Day 20	Session Topic: Ubuntu and basic application installation	
Practical	Ubuntu 12.04 Installation Basic Application Installation	Computers
Day 21	Session Topic: Troubleshooting	
Practical	PC Maintenance and Troubleshooting	Computers
Saturday Off.		