



## Hardware & Networking

Course Duration: 3-6 months

Course Fee: 12,000.00

Class Time: (Minimum 50 Hour's.)

### **Computer Hardware:**

With increasing use of computers in daily life, Computer technicians are in great demand. Computer Hardware Program has been developed for those who want to become Computer Hardware Technicians. With the help of this program a student with minimal knowledge of English shall be able to assemble, repair, operate and maintain a computer.

### **Modules:**

SI	Course Content	Duration 2-4 Months
	Introduction to Computers: Computer its uses, functions, applications	
	Outer Parts: Learn to recognize external parts and their functions	
	Inner Parts: Learn to recognize internal parts and their functions	
	Computer Assembly.	
	Different Commands, Partitioning, Formatting, Windows Installation etc.	
	Software Installation & Un installation (Install & Removing).	
	Viruses: What is Virus, How to remove it? Precautions.	
	Functioning of Computer: Boot up Process, Configuration of Computer, and Functioning of different parts of Computer	
	To identify hardware/software fault, BIOS, Control Panel, Device Manager, Conflicts, Windows help, Common problems and remedies etc.	



## Hardware & Networking

**Certificate in Computer Hardware and Networking** is a Course Geared to Prepare IT Professionals Responsible for Administration and Management of a Microsoft Windows office network or computer networking services within office environments. Students who complete the course will be able to demonstrate skills such as implementing a Microsoft Exchange Server or Microsoft ISA Server Infrastructure.

Students who take this course will also be taught to install and configure Windows Server Environment; implement, manage and maintain a Windows Server Network Infrastructure; and install, configure and administer Microsoft Windows Server.

Teaching will include both theory and hands-on learning activities and a final project.

### Modules:

SI	Course Content	Duration 4 Months	Duration 6 Months
1.	Understand Computer Fundamentals		
2.	Understand the concept of hardware, software and Firmware		
3.	Assemble and disassemble personal computer		
4.	Configure, setup and troubleshoot computer peripherals		
5.	Establish local area network		
6.	Administer the computer network system		
7.	System Architecture		
8.	Operating System Architecture		
9.	Hardware Installation & Upgrading		
10.	OS Installation & Upgrading		
11.	Network Fundamentals		
12.	Trouble Shooting		
13.	Windows Networking		
14.	Server Configuration		
15.	PC Performance & Maintenance		
16.	Portable Systems & External Devices		
17.	Group Project		
18.	Installing and Upgrading Computer Systems		
19.	Enterprise Network Management		
20.	LAN Installation and Administration		
21.	Advanced Enterprise Network Management		
22.	Installation and Configuration of Internet Services		
23.	WAN Network Installation and Administration		
24.	Network Security		
25.	Ethics and Security in Information System		
26.	Internet work Trouble shooting		
27.	Wireless Networks		
28.	Special Project		