

HARDWARE AND TROUBLESHOOTING

Course Description

This **course** is a study of current personal computer **hardware** including personal computer assembly and upgrading, setup and configuration, and troubleshooting.

Resource Person: Dr. Mansoor Hyder (Mr. Sabpio Memon)

Duration: 2 month (3 days a week)

Timings: 2:00 PM to 5:00 PM

Course Outlines

Definition of Computer, Components & its Working, Working of Parts, Assembling of Systems,

Understanding the Booting Process of Computer, CMOS, BIOS of P-II, BIOS of P-I, P-II/IV, Understanding IDE and Jumper setting

Working with Hard Disks, Creating & Deleting Partitions (FDISK), Partitions in Graphical & Menu Based Software's, Formatting Hard Disks, Understanding File Systems, Creating Backup of Operation System, Installing Operating System Windows 98, Manual, Automated & form Backup, Critical Checking of Hardware Resources (Device Manger). Upgrading 98 with Windows me, checking of Hardware Resources (Device Manager)

Installing Drivers VGA, Sound, LAN Card, Internal Modem
Installing Office 97
Dual operation systems, Windows XP Professional 2000 Installing Drivers : External
Modem, Printer, Scanner, Web Cam, Office XP, 2000, 2003, 2007, 2013
Using Partition Magic and Disk Utility Software's

Troubleshooting Concepts

Using PC for Fax, Dial up Internet, Users, Hard Disk Repair, Power Supply, Mouse, Reservation of IRQ's, Zip Utilities, Installing Interactive Tutors for Win 7, Win 8 with plugins, and MS-Office 2000, 2003, 2007, 2013.