

DETAILED SYLLABUS OF PC ASSEMBLING AND TROUBLE SHOOTING

INTRODUCTION

Introduction to Computer Peripheral Devices, PC -XT and PC-AT Computers, Desktop, Laptop, TowerTypes.

WORKING PRINCIPLE OF DEVICES

Working Principle of Peripheral Cards such as Video Card, Sound Card, IDE Card, Modems Card, TV Tuner Cards etc.

Working Principle of Floppy Disk Drive and Troubleshooting, Working Principle of Hard Disk Drive and troubleshooting, Working Principle of CD ROM Drive and Troubleshooting.

Understanding the Ports and their Functions USB, IRDA, WOL, AIRBUS, SERIAL and PARALLEL.

SERIAL DEVICES

Classification, Working Principle of Key Board, Classification, Working Principle of Mouse.

PARALLEL DEVICES

Classification, Working Principle of Printer.

MEMORY

Understanding ROM and RAM, Types of Memory Modules used in PC.

ASSEMBLING, DISASSEMBLING OF PC

Assembling and Disassembling of Personal Computer.

MOTHER BOARD

Various Components of Mother Board, Jumpers, Their Uses and Setting.

POWER SUPPLY

Understanding AT and ATX Power Supply.

CMOS STUDY

CMOS Setup Options, Configuration of CMOS Settings, Password Setting and Removing Password.

SOFTWARE INSTALLATION

Using Tools for Partition of Hard Disk Drives, FDISK, DM, Partition Magic, Formatting of Disk Drives, Installation of DOS, Windows

95, Windows 98, and Windows ME, Windows NT, Windows 2000.

CONFIGURING CARDS AND DEVICES

Configuring Driver(under Windows) of Display Card , Sound Card, Modem Card, TV Tuner Card, Keyboard Card, Mouse Card, Printer Card.

ERROR IDENTIFICATION

Identification of ERROR Beeps of PC and its Diagnostics.

TROUBLE SHOOTING

Hanging Problem of Computer, Troubleshooting Memory, Booting Problem and Diagnostic Steps, Identification and

Troubleshooting, Virus Problem, Troubleshooting of Modem and Diagnostic, Windows Troubleshooting

CASE STUDY

FAQ (Frequently Asked Questions) Discussion on Field Level Problems.