

# ROOMAN TECHNOLOGIES



## HARDWARE



### Assembling & Installation

- PC parts and Add on card identification
- Assembling a computer
- Partition a HDD and Format the same
- Installation of Desktop OS (DOS, Windows Vista/ Windows 7)
- Installation of Application (MS-Office, Acrobat Reader, Winzip)

### Processor

- Popular CPU chips
- Processor Components Voltage, Speed
- Internal and External Cache Memory

### RAM Types

- Types of Memory (ROM, RAM)
- RAM Types (EDO, DRAM, SRAM, VRAM, SDRAM, DDR RAM)
- SIMM, DIMM, SODIMM, MicroDIMM, RIMM
- Memory Chips and Form Factors

### Motherboards

- Introduction | AT Motherboard | ATX Motherboard
- Ports and Memory Slots on Motherboard
- Processor Sockets and Chipset
- Bus Architecture
- Compatibility Guidelines

### BIOS

- Understanding BIOS, CMOS, and Firmware.
- Configuring the System BIOS.
- Power-On Self-Test and Error Reporting.
- Plug and Play BIOS
- Power Management
- Disabling on-board Devices

### Installing IDE and SCSI Devices

- IDE Interfaces, EIDE, ATA/ATAPI, Serial ATA (SATA)

### Configuring IDE devices, Master/Slave/Cable Select

- SCSI Interface, SCSI ID, Jumper Block/DIP
- Switch setting

### Storage Devices

- Floppy and Hard Disk Drives.
- CD and DVD Optical Devices.
- USB and Flash Memory Drives

### I/O Interfaces

- Serial Port, Parallel Port, USB Port, IEEE 1394, IR Port
- Serial, Parallel, USB Cable and Connector
- Configuring Internal Devices-Multimedia, Modem, IR Device

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- Configuring External Devices-Bluetooth Device, Digital Gadgets
- Third Party Diagnostic and Performance Optimization
- Software PC Maintenance Tools

## Printers

- Print Technologies Solid Ink, Dot Matrix, Ink Dispersion, Laser
- Printer Interfaces – Serial, Parallel , USB, Network
- Printer Installation, Driver, Printer Settings
- Installing Cartridge, Toner
- Printer Problems Troubleshooting

## Anti-Virus Management

- Installation of renowned Anti-Virus in Server
- Client Mode
- Client Package creation and Remote Installation
- Downloading the update on server and distribution to clients

## Laptops and Portable Devices

- Fundamentals Features of Laptops and Portable Devices
- Configuring Power Management
- Application for Portable and Laptop Hardware
- Application for Portable and Laptop Hardware
- Safe Removal of Laptop-Specific Hardware
- Introduction to blackberry and handheld devices

## Data Recovery

- Tools to recover the lost Data
- Recover emails deleted in Outlook
- Image Creation and Data Synchronization

## Application Support

- Windows7 Built-in applications
- Internet Explorer and Outlook Express
- Remote Assistance

## PC Diagnostics and Maintenance

- The Power-ON Self Test and Boot
- Peripheral and Operating System Diagnostics

## Internet and Email

- Basics of Computer Networks
- Basics of Internet Architecture
- Services on Internet-Email, Search Engine, Online
- Booking Chat, Messaging and Conference sites
- Internet Access Techniques – Broadband, Dialup, Data Card

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