



Baluja's Institute of Technology & Management

An ISO 9001:2000 Certified Institute

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Training Details For Computer Hardware & Networking Courses

A+	MCP	MCSE	MCITP	CCNA	CCNP
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Diploma in Computer Hardware & networking	6 Months	Fees- ` 1500/- PM
Advanced Diploma in Computer hardware & Networking	1 Year	Fees- ` 1500/- PM
MCP (70-270 + 70-290)	1 Month	Fees- ` 2000/-
MCSE – 7 papers	2 Months	Fees- ` 10000/-
MCITP	2 Months	Fees- ` 12000/-
CCNA	1 Month	Fees- ` 7500/-
CCNP (Switching + Routing)	2 Months	Fees- ` 15000/-

SPECIAL OFFER
MCSE + CCNA Rs 10000/- (One Time)

DIPLOMA IN HARDWARE & NETWORKING

A+ (HARDWARE) and N+ (NETWORK)

Module 1

Duration: 1.5 Months

1. Introduction to Computer
 - ❖ The Essential parts of any Computer
 - ❖ Point of Failure
 - ❖ Hardware, Software and firmware
 - ❖ Working inside your PC
 - ❖ Hardware Resource
2. Motherboards, Processors and Adapter Card
 - ❖ Motherboards and their components
 - ❖ Process and CPU
 - ❖ Installing Adapter Cards
3. Bios
 - ❖ Understanding Bios, cmos and wave
 - ❖ Configuring the System Bios
 - ❖ Power on Self test and Error Reporting
 - ❖ Bios Update
4. Power Supply
 - ❖ Power Supply
 - ❖ Power Supply Protection Type
 - ❖ UPS
 - ❖ Trouble Shooting Power Problem
5. Ram
 - ❖ Ram Basics
 - ❖ Ram Type
 - ❖ Operational Characteristics
 - ❖ Installing Memory Modules
 - ❖ Trouble Shooting Memory
 - ❖ Preventative Maintenance for Memory
6. I/O and Multimedia Ports and Devices
 - ❖ Understanding I/O Port
 - ❖ Understanding input Devices
 - ❖ Installing Input and Multimedia devices
 - ❖ Firewire port and Cable
 - ❖ Trouble Shooting Input and Multimedia devices
 - ❖ Trouble Shooting I/O Ports
 - ❖ Maintaining Input Devices
7. Video Displays and graphics Cards
 - ❖ Installing Video Card
 - ❖ Display Types
 - ❖ Installing a Monitor
 - ❖ Trouble Shooting Display and Video Card
8. Laptops and Portable Devices
 - ❖ Fundamental feature of Laptop and Portable Devices
 - ❖ Configuring Power Management
 - ❖ Application for Portable and Laptop hardware
 - ❖ Safe Removal of Laptop Diagnostics
9. Printer and Storage Devices
 - ❖ Printing Fundamental
 - ❖ Wifi Printer
 - ❖ Net base Printer
 - ❖ Bar code Machine
 - ❖ Printer and Scanner Control
 - ❖ Print Process
 - ❖ Interface Type
 - ❖ Printer Type and Function Fundamental

- ❖ Laser Printer, Inkjet Printer, JMP Printer and Scanner Working Fundamentals
 - ❖ Floppy Disk Drive
 - ❖ Hard Disk Drive
 - ❖ High Definition
 - ❖ CD and DVD Optical Drive
 - ❖ Removable Storage
 - ❖ Flash memory and Card Reader
 - ❖ USB Flash memory Drive
 - ❖ External Hard Disk
 - ❖ Blue Ray
10. Assembling and De Assembling PC

Module II Duration: 1 Months
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1. Bootable Disk
2. Booting
3. Partitioning & formatting of HDD
4. Installation
 - 98 / 2000/XP / I / Red hat Linux 11
 - Taskbar
 - Desktop
 - Control Pannel
 - Installation of PnP card
 - Installation of Printers.
5. Drivers
6. Softwares
7. Multimedia Kit (Fonts, ClipArt, Joystick, Printer, Scanner)
8. Modem
 - Modem Installation & Configuration
 - Familiarization with E-Mail
 - Installation of E- mail Software's
 - Internet Browsing
 - Searching & Downloading
9. Web Cam
10. TV-Tuner Card
11. VIRUS
 - Study of Computer Virus
 - Study Of Anti- Virus Program
12. Diagonostic Tools
 - Study of diagonostic of components of computers using AMIDIAG, QAPLUS
 - Study of Norton Disk NDD
13. O/S
 - Basics of Windows vista & 7
 - Working with Vista & 7
 - Meet the Control Panel
 - Customized User Accounts
 - Hard Disk Management
 - Managing Hardware
 - Networking Tasks
 - Wireless Networking
 - Internet Explorer 7 and Windows Mail
 - Backup and System Restore
 - Trouble Shooting of Computer
 - Maintaining and Optimizing your Computer
 - Using Windows Defender
 - Remote Desktop and Remote Assistance
 - Windows Live Messenger and Meeting Space
 - Speech Recognition
 - Administrative Tools

Module III (Basic Electronics) Duration: 1 Months
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1 ANALOG

- Soldering
- How to use Multimeter & trainerkit
- Current & Voltage
- Voltage Rise & Voltage Drop
- Inductor & Capacitor
- Using Oscilloscope
- Semiconductor

Diode characteristics

- Half wave rectifier
- Transistor
- Ohm's Law
- Power
- AC Fundamental
- Transformer
- PN junction Diode
- Power Supply
- Full wave rectifier
- Transistor Amplifier

1. DIGITAL

- Logic families & No. System
- No. System Conversion
- Basic Logic Gates
- NAND, NOR & EX-OR Gates
- Universal Gates
- Binary addition & subtraction
- Half Adder & Subtraction
- Boolean Algebra
- K- Maps

Module IVth MCP (Microsoft Certified Professional)
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1.5 Months

- Installing, Configuring and Administering Microsoft Windows XP Professional (70-270)
- Installing and upgrading to Windows XP Professional
- Implementing and Conducting Administration of Resources
- Monitoring and Optimizing System Performance in Windows XP
- Configuring and Troubleshooting the Windows XP Environment
- Implementing, Managing and Troubleshooting Security
- Managing and Maintaining a Microsoft Window Server-2003 Environment (70-290)
- Managing and Maintaining Physical and logical Disk
- Managing Users Computers and Groups
- Managing and Maintaing Access to Resources
- Managing and Maintaing a Server Environment
- Managing and Implementing Disaster Recovery

Module Vth LINUX

1 Month

- LINUX
- Starting with Linux
- Running Commands from the shell
- Getting into the desktop
- Learning Basic Administration
- Getting on the internet
- Securing Linux
- Installing Linux

- Running Fedora Core and Red Hat Enterprise Linux
- Running Debian