

Advance Diploma in Computer Hardware & Networking (ADCHN)

➤ **Fundamental of Computer**

Introduction of Computer, Evolution of the Computer, Computer Generations, Types of Computer, Characteristics of Computers, Classification of Computers, Basic Applications of Computer, Components of a Computer System, Computer Memories System, Input / Output Devices, Concept of Hardware & Software, Binary System, Digital Number System, Computer Virus & Vaccines / Anti-Virus, Network, IECT, E-Governance, Exercise

➤ **MS-DOS**

Introduction of MS-DOS, File Naming, Internal Commands, External Commands, Exercise

➤ **MS-Windows – 7**

Introduction, Different Versions of Windows 7, Basic Elements of Opening Screen, Elements of a window, Windows Accessories, WordPad, Notepad, MS-Paint, Calculator, Character Map, Control Panel, Switching between two windows, Searching Files/Folders, Windows Explorer, Folder, Recycle Bin, Start Menu, Use of Network, Disk Defragment, Personal Folders, Shortcut Keys, Exercise

➤ **MS-Windows - 10**

Introduction, Release, New Features, User Interface and desktop, System and Security, Online Services and functionality, Multimedia and Gaming, DirectX 12, System Requirements, Exercise.

➤ **Internet**

Introduction, WWW, Web Browsing Software, Configuring Web Browser, Search Engines, Downloading Web Page, About E-mail, Using E-mail, Handling Spam, Social Networking, Send SMS on Mobile, Exercise

➤ **Multimedia**

Introduction of Multimedia, VGA, Sound Card, Use of Removable Disk, CD/ DVD, Burning, Exercise

➤ **PC Assembling**

➤ **Basic Electronics**

➤ **Microprocessor**

➤ **Motherboard**

➤ **Digital Electronics**

➤ **Peripheral Devices Installation**

Printer, Scanner, TV Tuner, Digital Camera etc.

➤ **Hardware Troubleshooting**

➤ **Operating System Installation**

➤ **Device Driver Installation**

➤ **Application Software Installation**

➤ **Software Troubleshooting**

➤ **CD/DVD Writing**

➤ **Connecting to Internet & its Application**

➤ **Detect and Remove Virus with Antivirus Software**

➤ **Introduction to Networking (LAN/WAN/MAN)**

➤ **LAN Technologies**

➤ **Network Essential**

➤ **Network Devices Implementation**

➤ **Design and Administration of LAN**

➤ **Configure MODEM**

➤ **Assignment & Project**

Course Code:- LT 14

Duration:- One Year

