

DCHN-22
Operating Systems
Module IV

Topic	Lecture No.
<p>Basics of Operating System Differences between DOS, Windows 2000 /XP and Linux operating systems, starting and exiting from a program in Windows 2003 / XP, Linux, files and folders in Windows 2003 / XP/ Linux copying and moving files under Windows 2003 / XP, the use of explorer, study of control panel and its settings.</p>	(1-5)
<p>Installation and Administration of Windows 2003 and Linux The minimum hardware requirements for the installation, the steps involved in installation. Booting process of Windows 2003 /XP / Linux the plug and play feature of Windows 2003 / XP – the automatic detection of new hardware at booting time, the boot sector , Architecture of Windows 2003 / XP, the Recycle bins, DLL files,</p>	(6-11)
<p>The Windows registry and its importance, the device drivers, the addition of new hardware and software to a Windows 2003 / XP system, the device manager of 2003/ XP, changing of display settings, setting of screen savers and their password protection, configuration of keyboard and mouse in Window 2003 /XP.</p>	(12-14)
<p>Taking Care of System Health & Debugging System testing and diagnosis using available diagnostic programs like AMIDIAG, PC tools, Norton utilities etc and latest trends. Debugging Tools, procedures, features etc. and their use.</p>	(15-17)
<p>Windows based back-up Procedures & Disaster Prevention Write protection of your software MS-Windows delete protection, crash recovery, preventing hard disk failure, Back-up & Restore procedures, types of back-up, media for back-up, Raid systems. Preparation of bootable CD and FD.</p>	(18-23)
First Test	

<p>Installation of Network Operating System in a Client-Server Model</p> <p>Client and Server Configuration of Win-2000 Introduction to Windows 2000 and Windows XP. The minimum hardware requirements for installation, Server installation, Configuring a Windows 2000/XP system as a client to Windows 2000 network and Password security in Windows 2000. Peer to Peer Networking in Windows 2000/2003, sharing the files and folder level security.. Users Rights available in Windows 2000 and their functions, Right assigned to built in groups. Password Security, account restrictions, Audit Policy. The TCP/IP protocol suit, TCP/IP core protocols, TCP/IP diagnostic utilities, IP addressing, TC/IP addressing, TC/IP configuration, Installation of TCP/IP protocol.</p>	(25-32)
<p>Client and Server Configuration of Linux Installation of Linux in a Client-Server configuration, Minimum hardware requirement for installation, Server configuration, Client configuration, Peer to Peer Networking in Linux, Sharing the files and folders levels security, Users rights available in Linux, Password security/Account restriction.</p>	(33-40)
<p>Introduction to Internet, Connectivity and Peripheral Configuration The internet as a source of information, The domain names in the internet, world wide web, configuring Windows as a station for accessing Internet using dial up networking, Modern Configuration and connectivity using ISDN, leased line, obtaining information, connection from the Internet service provider, using of internet for obtaining information, chatting / searching of information using search engine, using various browsers and configuration E-mail, Uploading / Downloading, Tips for increasing speed of internet etc.</p>	(41-43)
<p>Various Antivirus Software and their Installation: Virus prevention and removing, Different types of Viruses and their removal using Antivirus programs and installation, Introduction to firewalls.</p>	(44-48)
<p>Review</p>	(49)
<p>Final Test</p>	(50)