

PROGRAMME GUIDE

DISTANCE EDUCATION PROGRAMMES

POST GRADUATE DIPLOMA IN COMPUTER HARDWARE AND MAINTENANCE (PGDCHM)

- **Scheme of Examination**
- **Detailed Syllabus**
- **Counseling and Study Structure**
- **Study Modules & Books Information**
- **Date Schedule & Instructions for Submitting Assignments**



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POST GRADUATE DIPLOMA IN COMPUTER HARDWARE AND MAINTENANCE (PGDCHM)

Eligibility – Graduate

Duration – 12 Months

Course Code	Title of the Course	Credit	Total Marks	Theory		Practical		Assignment	
				Max.	Min.	Max.	Min.	Max.	Min.
SEMESTER-I									
PGDCHM1	Fundamental of Computers and Information Technology	3	100	70	25	-	-	30	11
PGDCHM2	Assembly of PC	3	150	70	25	50	18	30	11
PGDCHM3	PC Installation and Maintenance	3	150	70	25	50	18	30	11
PGDCHM4	Basic and Digital Electronics	3	150	70	25	50	18	30	11
PGDCHM5	Computer Hardware Maintenance	4	150	70	25	50	18	30	11
Total aggregate required to pass			700	350	140	200	80	150	60
SEMESTER-II									
PGDCHM6	Networking Fundamentals	3	150	70	25	50	18	30	11
PGDCHM7	Windows 2000 & 2003 Server Management	3	150	70	25	50	18	30	11
PGDCHM8	Linux Installation & Configuration	3	150	70	25	50	18	30	11
PGDCHM9	Introduction to Entrepreneurship	2	150	70	25	50	18	30	11
PGDCHM10	Project	5	100	-	-	100	36	-	-
Total aggregate required to pass			700	280	112	300	120	120	48

Evaluation Scheme

1. 36% in each theory, practical, project, dissertation & internal assessment
2. 40% Aggregate marks to pass

*** Marks of PGDCHM10 - Project Report are to be send by the IODE/Study Institutes after evaluation of project. The distribution of 100 marks are as – Marks given by the external Examiner is out of 70 (50 on Report + 20 on Viva & Presentation), Marks given by the Internal examiner is out of 30 (20 on Project Report + 10 on Viva & Presentation).

DETAILED SYLLABUS

SEMESTER-I

PGDCHM1 - FUNDAMENTAL OF COMPUTERS AND INFORMATION TECHNOLOGY

Brief history of development of computers, Computer system concepts, Computer system characteristics, Capabilities and limitations, Types of computers Generations of computers, Personal Computer (PCs) – evolution of PCs, configurations of PCs- Pentium and Newer, PCs specifications and main characteristics. Basic components of a computer system - Control unit, detailed functions of ALU, Input/Output functions and characteristics, memory - RAM, ROM, EPROM, PROM and other types of memory.

Input/Output & Storage Units:-Keyboard, Mouse, Trackball, Joystick, Digitizing tablet, Scanners, Digital Camera, MICR, OCR, OMR, Bar-code Reader, Voice Recognition, Light pen, Touch Screen, Monitors - characteristics and types of monitor -Digital, Analog, Size,

Resolution, Refresh Rate, Interlaced / Non Interlaced, Dot Pitch, Video Standard - VGA, SVGA, XGA etc, Printers& types – Daisy wheel, Dot Matrix, Inkjet, Laser, Line Printer, Plotter, Sound Card and Speakers, Storage fundamentals - Primary Vs Secondary Data Storage and Retrieval methods - Sequential, Direct and Index Sequential, SIMM, Various Storage Devices - Magnetic Tape, Magnetic Disks, Cartridge Tape, Hard Disk Drives, Floppy Disks (Winchester Disk), Optical Disks, CD, VCD, CD-R, CD-RW, Zip Drive, flash drives Video Disk, Blue Ray Disc, SD/MMC Memory cards, Physical structure of floppy & hard disk, drive naming conventions in PC. DVD, DVD-RW.

Software and its Need, Types of Software - System software, Application software, System Software - Operating System, Utility Program, Programming languages, Assemblers, Compilers and Interpreter, Introduction to operating system for PCs-DOS Windows, Linux, File Allocation Table (FAT & FAT 32), NTFS files & directory structure and its naming rules, booting process details of DOS and Windows, DOS system files Programming languages- Machine, Assembly, High Level, 4GL, their merits and demerits, Application Software and its types - Word-processing, Spreadsheet, Presentation Graphics, Data Base Management Software, characteristics, Uses and examples and area of applications of each of them, Virus working principles, Types of viruses, virus detection and prevention, viruses on network.

Use of communication and IT, Communication Process, Communication types- Simplex, Half Duplex, Full Duplex, Communication Protocols, Communication Channels - Twisted, Coaxial, Fiber Optic, Serial and Parallel Communication, Modem - Working and characteristics, Types of network Connections - Dialup, Leased Lines, ISDN, DSL, RF, Broad band, Types of Network - LAN, WAN, MAN, Internet, VPN etc., Topologies of LAN - Ring, Bus, Star, Mesh and Tree topologies, Components of LAN -Media, NIC, NOS, Bridges, HUB, Routers, Repeater and Gateways.

PGDCHM2 - ASSEMBLY OF PC

- Introduction of assembling, difference between branded and assembled computer.
- Tools used for assembling.
- Identification and selection of basic components for assembling a PC.
- Opening of Cabinet.
- Install the power supply and check it. .
- Install the components on motherboard - CPU, Heat sink / fan assembly, RAM.
- Install the motherboard.
- Install internal drive-Hard Disk.
- Install drives in external ways- Optical Drive and Floppy Drive.
- Install adapter Cards- NIC, Video adapter & Sound.
- Connect all internal cables - Power cables and Data cables.
- Connect all front panel indicators, switches and cables.
- Close the cabinet.
- Connect all peripherals – Keyboard, Mouse, Monitor, Speaker, Printer etc.
- Final check before Booting.
- Testing –Boot Computer for the first time, identify beep codes and BIOS setup.

PGDCHM3 - PC INSTALLATION AND MAINTENANCE

INSTALLATION:

- Booting of system from DOS/Windows
- Fundamentals of Hard Disk Partitioning and Formatting Hard Disk using Fdisk/Disk Manager
- Basic concepts of operating systems- Desktop, Network, Server.
- Determine minimum hardware requirements and compatibility with the OS
- Characteristics of modern operating systems.
- Using desktop operating system(DOS/Windows).
- Identify applications and environments that are compatible with an operating system
- Installation of operating system, Installation of Multiple Booting (Win-98, Win-XP, VISTA Media Center)
- Installation of Different Drivers (Sound, display, USB Devices, Printer, Scanner, Web Camera, TV Tuner Card, Modem, Modem Setting)
- Importance of rebooting
- Installation of Application Software, (Office XP, Visual Studio, Java, Auto Cad etc)
- Installation of DTP Softwares (Photoshop, Corel, PageMaker, etc.)
- Installation of Media Players (Adobe Flash Player, Real Player, Jet Audio, Power DVD)
- Installation of Nero and Other Optical Disk Writer.
- Installation of Anti-Virus, Scan Virus File & Folder, Repair Virus File & Folder.
- Create a Rescue Disk,
- Installation of Acrobat Reader, WinZip etc.

MAINTENANCE:

- Identify and apply common preventive maintenance techniques for operating systems
- Create a preventive maintenance plan
- Schedule a task- Taking Backup of data and Restore the backup in the hard drive
- Updation of antivirus patches
- Troubleshoot operating systems- Review the troubleshooting process, Identify common problems and solutions
- Use of Control Panel.
- Use of System Tools

PGDCHM4 - BASIC AND DIGITAL ELECTRONICS

BASIC ELECTRONICS

- Fundamentals of Electronics-Atomic Structure, Energy Level Diagram of Insulator, Conductor, Semiconductor, Electric Field, Potential And Potential Difference, Electric Current, Direct Current, And Alternating Current, Ohm Law.
- Registers-Types of Registers, Color Codes, Series And Parallel Connections, Potentiometers, Trimmers, Basic Uses of Registers.
- Capacitors-Type of Capacitors, Color Codes, Series And Parallel Connection, Charging of Capacitor, Basic Uses of Capacitors
- Inductors- Concept of Coil, Inductance, Types of Inductors, Basic Uses Of Inductors

- Transformer- Transformer Working, Types of Transformer, Design Issues of Transformer, Basic Uses of Transformer.
- Semiconductor Device- Semiconductor Theory(P & N Type), PN Junction, Rectifier Types of rectifier, Transistor-NPN And PNP, Transistor Configurations, CB, CE And CC, Transistor as An Amplifier, Power Gain of a Transistor, Practical Facts About Transistor, Biasing of Transistor.
- FET Construction, MOSFET Construction, Parameter And Specifications, UJT Construction And Its Parameters, Thyristor-SCR, DIAC, TRIAC.
- Special Purpose Diodes And opto Electronic Devices-Light Emitting Diode Photo Diode, Photo Resistors, photo Transistor, opto Couplers Displays –Constriction And Application, LCD, Screen Segment Displays Dot Matrix Display
- Amplifiers-Class A Class B Class Amplifier, Voltage And Current Amplifier
- Oscillator-RS Oscillator Phase Shift And Wien Bridge, LC Oscillator-Hartley And Colpitt, Crystal Oscillator.
- Voltage Regulator And Filters-Voltage Regulator, Series And Shunt Regulators, Capacitor Inductor And Choke Input Filters.
- Wave Shaping Circuits - Clamper, Clipper and Multivibrator,
- Opamp And IC Timer-Opamp Block Diagram And Its Application, IC Timer-Pin Diagram Of IC555 And Application of Basic Circuits.
- Basic Measuring Instruments-Ammeter, Voltmeter, Multimeter, CRO, Function Generator

DIGITAL ELECTRONICS

- Number System And Codes-Binary, Decimal, Octal and Hexadecimal Number System
- Conversion of Number Systems- Binary Addition, Subtraction, Alphanumeric Codes-ASCII And EBCDIC, Excess 3 And Gray Codes.
- Logic Gates and Boolean Algebra-Positive And Negative Logic Gates its Truth Tables OR, AND, NOT, Ex-OR, NOR, NAND, Ex-NOR, Pin Diagram Of All Gates. Basic Laws of Boolean Algebra.
- Combinational Logic Circuits- Multiplexer, De multiplexer Adder, Subtractor, Encoder/ Decoder,
- Flip-Flop- Basic Flip-Flop, SR Flip-Flop, clocked Flip-Flop, T Type Flip-Flop, D Type Flip-Flop, JK Flip-Flop, Race Around Condition, MS JK Flip-Flop. PIN Configuration of Each Flip-Flop ICs.
- Counters And Registers- Binary Ripple Counters, Operation of A Ripple Counters, Modules of A Counter, Synchronous or Parallel Counters Operation, And Modules of Counter UP/DOWN Counter, PIN Diagrams Of Each Counter.
- Shift Registers : Serial In Serial out, Serial In Parallel out, Parallel In Serial out, Parallel In Parallel out
- D/A And Converter : Basic A/D Converter - Its Types, Basic D/A Converter –Its Type.
- Semiconductor Memories: Memory Organization And Operation, Expanding Memory Size, Classification of Memories, Memory Based Numerical.

- Microprocessor- Introduction of Microprocessor, Block Diagram of Micro Computer, Block Diagram of CPU with system Bus, Bus Organization in Microprocessor, Details of different Microprocessor.

PGDCHM5 - COMPUTER HARDWARE MAINTENANCE

PROCESSING UNIT

- Microprocessor Selection(Processor Frequency, Bus Speed, Cache RAM, Processor Marking) Type of CPU(Normal CPU, HT CPU, Mobile CPU, Centrino CPU, Dual Core CPU, Quad Core CPU, etc.), Introduction of different Companies (Intel, AMD, Cyrix, etc.)
- Details of Different CPU Series (P-I, P-II, P-III, P-IV & Celeron, AMD, HT-Supported CPU), CPU Slots (Socket 1-8, Socket 370, Socket 423, Socket 478.... . etc), Input Output Slot(ISA, VESA, PCI, AGP, AMR, CNR, PCI Express etc.), Introduction of RAM Slot (SIMM, DIMM, RIMM) Introduction of Motherboard's Chip Set (INTEL, SIS, VIA, NVIDIA, AMD)Onboard Facilities.
- Introduction of Motherboard and its various types, Block Diagram of Motherboard, Selection of motherboard(industry/home purpose)
- Understanding of Different Motherboard circuit diagrams.
- Description of Slot Ports : Describe of all sections, Slots & ports Identification, RTC(real Time Clock)
- Voltage Regulator Module section(Block diagram, Working, Output Current sense, Input volt Sens, Five bit Programmable section, Circuit of VRM, Testing and fault Finding),
- Clock Generator Section, Types of Clock Generator, Working and testing of Clock Generator
- Introduction of North Bridge & South Bridge section, System Control, GMCH, ICH etc.
- Description of BIOS Section, Types of ROM (BIOS), Testing & Fault Finding of BIOS
- I/O Controller Section, Working of I/O (Input Output) Controller, Types of I/O Controller, Identification of I/O, Pin detail of I/O Controller, Section wise description of I/O Controller(FDC Interface Stage, keyboard Interface Stage, LPC Interface Stage, Multimode Parallel Port Stage, Communication, ACPI Interface Stage, Hardware Monitoring Interface Stage, Input/output Ports, Power division Stage)Testing and fault Finding.
- Audio section, Working of Audio Section, Types of Audio Section, Version of Audio Section, Testing & Fault finding.
- General Fault Finding of Mother Board : Testing Flow Chart.
- C. R. O, Operating of CRO, Troubleshooting by CRO.
- Soldering & Desoldering, Soldering & Desoldering of Chip Components by SMD, IRON & Hot air gun.
- CMOS Setup, CMOS Setup Utility & Controlling Option of Setup, on Board BIOS Programming.

INPUT AND OUTPUT DEVICES

- Keyboard, Mouse & scanner
 - Types of Keyboard, Technology used in Keyboard, Scanning of row and Column and Interfacing, Key Rollover, Key debounce, QA Plus Software, Circuit Diagram and Fault Finding, Pin Details and Testing of Micro Controller, Wireless Keyboards.

- Functions of Mouse, Types of Mouse, Cable Detail, Interfacing, Card Conflicts, IRQ Conflicts, Optical Mouse, Wireless Mouse
- Basics of Scanner, Types of Scanner on the basis of (i)Image Scanning (ii) Technology used in Scanner, Detail of DPI, SPI, PPI, Interfacing, parts of Scanner, Port Controller, Power LED, Stepper Motor, Scan Head Unit, Home Sensor, Inverter, Fault Finding of Scanner
- CRT Monitor
 - Introduction of Monitor, Types of Monitor, Monitor CRT – (i) Mono CRT (ii) Colour CRT, CRT Working, Deflection Coil, Degauss Coil, Rotation Coil, Signal Cable Connector Description, Color Monitor, block Diagram.
 - Identification & working of Monitor section, SM Power Supply, Video Amp Stage, Video Driver & Output Stage, OSD Stage, System & System driver stage, Horz Osc State, Horz Driver & Output Stage, EHT Stage, Vertical Osc Stage, Vertical Driver Output Stage.
- LCD/TFT Monitor
 - Introduction of LCD, Working of LCD/TFT, Manufacturing of LCD/TFT, Different Between CRT & LCD/TFT VGA & DVI Cable, Introduction of Different Stage.
 - Identification and Working of LCD/TFT Monitor Section(Power supply Stage, Inverter Stage, Block Diagram of Main Board, Block Diagram of TFT Panel, Main PCB, Monitor Control Stage, Memory Stage, Functional Keyboard, Scaler Stage)
- Printer (DMP, Inkjet, Laser)
 - Introduction of Printer, Classification of printer, Different section of Printer, its detail and identification, Interface Section, Repairing of Printer, Testing of Printer(Self Test, Test by Computer)
 - Block Diagram of DMP Printer and its description, Layout of DMP Printer, Paper Sensor, Home Sensor, Front Panel LED Indicator, Carriage Motor Driver, paper Feed Motor Drive, Print Head Driver, Power Supply, Description of 24 V and 5V Power Supply, CPU and DIP Switch, Gate Array, RAM, ROOM Pin Details, Fault Finding of Printer.
 - Types of Inkjet Printer, Thermal Process, Print Head, Different sections of Inkjet, Motor, Sensor, Caping Locking, Wiping, Splitting, Mechanism of Inkjet Printer & detail.
 - Function Block Diagram of LASER Printer and its Process, Image Formation (Cleaning to Fusing Process), Electronic Section of Laser Printer(Formatter PCA and DC Controller), Mechanical Section of Laser Printer(Paper feeding, Motor Solenoid), Fault Finding of Laser Printer., Refilling
 - Introduction to MFD.
- **STORAGE AND POWER SUPPORTING DEVICES**
 - Storage Devices

- Introduction of Storage devices, Types of Hard Disks(IDE, SCSI, SATA, USB etc.), use of internal and external Hard Disk. Identification of HDD Capacity, Model, RPM Speed & Companies Comparison, Jumper Setting, Types of Floppy Disk Drive, Details of CD ROM, CD Writer, Combo Drive, DVD Drive, Pen Drive, etc. Use of cleaning tools.
- SMPS
 - Introduction of Basic Component, Working principle of SMPS, Introduction of AT, ATX & BTX SMPS, Connector Details with Voltage and Color, Block Diagram of SMPS, AC/DC stage, PS Stage, Switching output, DC Output, +3.3 V Reg. & PG Stage, Calculation of SMPS wattages for different PCs.
- UPS
 - Introduction of UPS, Relay switch, Transformer Working, Fundamental of UPS & UPS Block Diagram, AVR Stage, Voltage Regulator Stage, Charger Stage, Oscillator Stage, Switching Stage, AC low & High Sensor stage, AC/DC Selector Stage, Battery Low Stage, battery deep discharge protection stage.

SEMESTER-II

PGDCHM6 – NETWORKING FUNDAMENTALS

- Basics of Data communication and Networking
- Needs For Networking
- Advantage And Disadvantage Of Networking
- Type Of Network-LAN, WAN, MAN
- Network Topology- Bus, Ring, Star, Hierarchical
- Characteristics Of Network- Architectural Model, Topology
- Physical components of a network-Hubs, Bridges, switches, Routers, Wireless access point.
- Network Cables-Twisted pair, coaxial cable, fiber optic cable.
- Network Model- Peer To Peer, Protocol, Client/Server Network, Hybrid Type.
- Types Of Server-File Server, Database Server, Print Server, Web Server, Proxy Server
- Network Protocols-Communication Protocol, Hardware Dependent Protocol, Software Dependent Protocol.
- Protocol Services-File & Printer, Multimedia, Email, WWW, Usenet Newsgroups, e-phonebooks, Video Conferencing, Administrative Record Keeping.
- Network Operating System-Windows XP, Windows NT, 2000, 2003, 2008 Server Unix, Linux.
- OSI Model and TCP/IP Model.
- Internet Basics and concept of Domain

PGDCHM7 - WINDOWS 2000 & 2003 SERVER MANAGEMENT

- Introduction To Windows Server 2003(R1, R2 variations -32 bit and 64 bit)

- Deployment Of Windows Server 2003
- User Group Management
- Storage Management
- TCP/IP And Ipv4 Network Management
- Understanding NetBIOS, Wins And NetBT
- Configuring DNS And DHCP Server
- Security Management
- Implementing Volume Shadow Copy
- Controlling With MMC
- Controlling With CLI
- Controlling Windows With Registry
- Controlling Windows Group Policy
- Windows Server Virtualization
- Active Directory Domains Services
- Active Directory Certificate Services
- Terminal Services Enhancements Clustering Enhancements
- Implementing And Troubleshooting Nap
- IIS installation and configuration.
- Implementing Active Directory Services.
- Planning And Implementing
- Restoring Active Directory.
- INTRODUCTION TO WINDOWS SERVER 2008
- Introduction, Managing And Maintaining Windows Server 2008 Environment
- New in Windows Server 2008
- Compare With Windows Server 2003
- Virtualization concepts

PGDCHM8 - LINUX INSTALLATION & CONFIGURATION

- Overview of Linux
- Installation of Linux
- Linux Advanced File System Management
- Besh Shell
- Linux Commands.
- Running DOS Command in Linux.
- Configuration of partition in Linux.
- Text Editor-vi

- Bash Shell Scripting
- Basic Networking in Linux.
- Configuration And Installation Of Hardware Device
- Linux File Security
- Connect to Internet in Linux.
- Installation software in Linux.
- Kernel Services And Configuration
- System Monitoring
- Reading Linux Partition in Windows & reading windows partition in Linux.

PGDCHM9 - INTRODUCTION TO ENTREPRENEURSHIP

Introduction to Entrepreneurship – Introduction and concept of Entrepreneurship

Theory of Entrepreneurship – Entrepreneurship in developing countries, Entrepreneurship stimulation, Entrepreneurship and economic growth, Entrepreneurship and Economic system, various theories of Entrepreneurship

Growth of Entrepreneurship – Role of Entrepreneurship, Growth of Entrepreneurs, Prospects for Entrepreneurship

Nature and Importance of Entrepreneurship – Entrepreneurship Qualities, Entrepreneurship Functions, Entrepreneurship Vs Entrepreneurs, Opportunity matrix, Entrepreneurship Decision, Role of Entrepreneurship, Growth of Entrepreneurship

Classification and types of Entrepreneurship – Business Entrepreneurs, Types of Entrepreneurship, Entrepreneurship and Motivation, Growth and Entrepreneurship

Nature and scope of management – Scope of Management, Meaning of Management, Characteristics of Management, Objectives of Management, Management as a profession, Organization and Management, Branches of Management, Importance of Management, managerial Skills

Planning – Concepts, processes and types – Importance of Planning, Characteristics of Planning, a Good Plan, Advantages of Planning.

Concepts of an Organization – Organization Concepts, organization theory, formal and informal organization, significance of organization, the organization process, analysis of organization, nature of organization, organization as an art, group dynamics, organization development.

Motivation – Introduction, Meaning, Kinds of Motivation, MC Gregor's Theory X and Theory Y, Coordination, Need Hierarchy theory of Motivation, Motivational Techniques, Financial and Non-financial Incentives.

Leadership – Introduction, Characteristics of leadership, great man theory of leadership, role of leadership, leadership styles, techniques of leadership, functions of leadership, qualities of leadership, process of leadership, develop voluntary cooperation.

Communication – Introduction, Features of communication, Need, Communication Process, communication Process models, Gestural or non verbal communication, Models of Grapevine, Communication Networks, Barriers of Communication, Effective communication, Improve written communication.

Accounting in an small enterprise – Need, How accounts maintained?, Objectives of accounting, Ledger, Trial Balance, Final accounts Balance sheet etc.

Entrepreneurship development institutions -

AISECT model of Entrepreneurship

How to setup and AISECT Centre

Training for self employment

PGDCHM10 - PROJECT

- Select the project.
- Collect the information related to project
- Identify the technology in terms of front end, back end, hardware tools used, software tool used.
- Write the brief synopsis for project
- Approved the synopsis from project in charge
- Proceed for the project using system development life cycle
- System development life cycle contain the steps like in to gathering designing, coding, development, testing, dispatched.
- Demonstrate the complete project through power point presentation to project in charge

COUNSELING AND STUDY STRUCTURE

Sl. No.	Course Code	Title of the Course	Credit	Total Hours of Study	Counseling and Study Structure (hours)				Project
					Face to Face Counseling	Self study	Practical	Assignments	
Semester I									
1	PGDCHM1	Fundamental of Computers and Information Technology	3	90	12	51	-	27	-
2	PGDCHM2	Assembly of PC	3	90	12	33	18	27	-
3	PGDCHM3	PC Installation and Maintenance	3	90	12	33	18	27	-
4	PGDCHM4	Basic and Digital Electronics	3	90	12	33	18	27	-
5	PGDCHM5	Computer Hardware Maintenance	4	120	16	44	24	36	-
Semester II									
6	PGDCHM6	Networking Fundamentals	3	90	12	33	18	27	-
7	PGDCHM7	Windows 2000 & 2003 Server Management	3	90	12	33	18	27	-
8	PGDCHM8	Linux Installation & Configuration	3	90	12	33	18	27	-
9	PGDCHM9	Introduction to Entrepreneurship	2	60	8	22	-	18	-
10	PGDCHM10	Project	5	150	-	-	-	-	150

STUDY MODULES AND BOOKS INFORMATION

Course Code	Title of the Course	Books / Modules to be used
Semester-I		
PGDCHM 1	Fundamental of Computers and Information Technology	Module Prepared by CVRU
PGDCHM 2	Assembly of PC	Module Prepared by CVRU
PGDCHM 3	PC Installation and Maintenance	Module Prepared by CVRU
PGDCHM 4	Basic and Digital Electronics	Module Prepared by CVRU
PGDCHM 1	Computer Hardware Maintenance	Module Prepared by CVRU
Semester-II		
PGDCHM6	Networking Fundamentals	Module Prepared by CVRU
PGDCHM7	Windows 2000 & 2003 Server Management	Module Prepared by CVRU
PGDCHM8	Linux Installation & Configuration	Module Prepared by CVRU
PGDCHM9	Introduction to Entrepreneurship	Module Prepared by CVRU
PGDCHM10	Project	

DATE SCHEDULE & INSTRUCTIONS FOR SUBMITTING ASSIGNMENTS

DUE DATE OF SUBMISSION OF ALL ASSIGNMENTS AT THE STUDY CENTRE		
Semester	Assignment No.	Due Date
First Semester	PGDCHM (1) PGDCHM (2) PGDCHM (3) PGDCHM (4) PGDCHM (5)	<ul style="list-style-type: none">• April 30 (for January Session)• October 31 (for July session)
Second Semester	PGDCHM (6) PGDCHM (7) PGDCHM (8) PGDCHM (9)	<ul style="list-style-type: none">• October 31 (for July Session)• April 30 (for January session)

Note: Assignments of the course are available for download at the CVRU Website <http://www.cvrु.ac.in> . You can download the assignments as per your course, follow the instructions given and submit it before due dates at the study centre.