

Certificate Course

Contents- Hardware & Networking

Time-300 hrs

Certificate in Hardware & Networking-(CIHN)

Stream-10+2

Time-300 hrs

Computer Basics

Generation Of Computer

Types of Computers

Basic Device Information

Electronic Components- motherboard, RAM, Processor

Power Supply-SMPS

Uninterrupted Power Supply (UPS)

Types of Monitor- Mono, Analog, Digital, TFT

Hardware

Generation of Motherboards

RAM, ROM & CPU

Assembling the Computer System

Hardware & Printer Troubleshooting

Windows Installation

Installation of Windows XP, Windows 7 and Windows Server 2003

Remote Desktop and Remote Assistance-Settings and uses.

Antivirus Installation

System Recovery

Basics of Network

Computer Networks-LAN, WAN, MAN

Topologies-Star, Bus, Ring.

OSI-TCP/IP Model

Networking Concepts

Cable Designing-cross, straight through ,I/O Punching

Installing NIC Cards

Installing LAN/WAN- Implementation of Network

Sharing folders, drives and printers

Installation and configuration of wireless Routers,

Configuring security of Wi-Fi router.

Ref. Book:

1. Tools for Teaching Computer Networking and Hardware Concepts by Nurul Sarkar (IGI)
2. Comdex hardware & Networking Course Kit by Vikas Gupta (Dreamtech Press)
3. Computer networking first-step by Wendell Odom (Cisco Press)

Diploma Course**Contents- Multimedia****Time-300 hrs****Diploma in Multimedia**

What is Multimedia

Scope of Multimedia

Digital medias that make up Multimedia

Mediums for Delivery

Various types of Multimedia Application

Interactive Application

Non-Interactive Application

Project

Photoshop

Learn Photoshop

Change the brightness or contrast of a picture

The quick selection tool

Learning layers and shapes

Introduction to Layer Masks

Presets, shapes, patterns, and the like

Custom Shapes

Project

Ref. Books:

- Photoshop 7 -Bible
- Adobe Photoshop CS4 Bible by Stacy Cates, Simon Abrams.

Image Ready

Project

Adobe Illustrator

Project

CorelDraw

Introduction to Corel DRAW

Basic Drawing Skills

Using Text

Working with Objects
Adding Special Effect
Creating Output
Exporting Drawings
Project

Ref. Book:

- Coral Draw 12 the official guide-Steve Bain

Flash

Tracing and masking for Banners
Designing a character for Flash Animation
Using Symbols - setting useful center points
organizing Your Library
Arc Motions
Motion Guide Paths, Mask layers, Button Intro
2D/3D Animation (concept)
Project

Ref. Book:

- The complete Reference Macromedia Flash MX- Brian Undrdahl.
- Foundation flash MX 2004 - Kristian Besley, Sham Bhangal.

Dream weaver CS4

Internet Access and HTM, Planning Web Sites
The Dream weaver Environment
Viewing and Managing HTML Code
Working with Links, Creating Internal and External Hyperlinks
Creating an Image Map and Anchors
Project

Ref. Book:

1. Dreamweaver CS4 Bible

FTP tools

All about Hosting
World Wide Web Concept
Web Publishing/Hosting
Project

Advanced Diploma Course

Advanced Diploma in Web-Designing
Contents- Web Designing

Time-300 hrs
Web Designing

HTML,
DHTML,
CSS,
Java Script
Macromedia Dreamweaver

Ref. Book:

- **Web design in a Nutshell-Jennifer Niederst Robbins**
- **Designing web Sites that work - Tom Brinck, Darren Gergle, Scott D. Wood**
- **Web designing Lokesh Vats**
- **Principal of web Designing Joel Sklar**