Diploma in Multimedia

CCE offers many job oriented computer courses."Diploma in Multimedia" is one of the CCE approved course.The detailed contents of this course is in the attachment.

COURSE CODE : CCE-D11

ELIGIBILITY : 10th

DURATION : 1 Year

SYLLABUS

Multimedia Essentials

Multimedia Needs and area of use, Development platform for multimediaTest :- Concept of plain & formatted text , RTF & HTML text using common text preparation tools , conversion to and form of various text formats using standard software object linking embedded concept , Basic of font design overview of some fonts editing and designing tools , understanding & using various text effectsIntroduction to Sounds and Animation and VideoIntroduction to Multimedia Softwares
Pagemaker , Corel Draw , Adobe Photoshop

Pagemaker

Adobe Pagemaker

- Components of Pagemaker , ToolBox , Palettes , Working with text

Constructing a Publication

- Creating a new Page , Save publication , Preferences

Edit Text

- Edit Story , Master Pge , Measurement , Ruler & guideline , Pge numbers

Layout menu

- Sorting page , Deleting Pge

Text formatting

- Type Menu , Control Palette , Expert Tracking , Indents And Teb

Element Menu

- Fill , Fill and Stroke , Create a Frame , Arrange , Wrap textGroup Object , Image Control , Using PhotoShop Effect , Change the Shape Of Polygon/ Rectangle

Utilities Menu

- Checking Spelling & Grammer , Change Case , Intex Entry

Coreldraw

- Introduction to corel draw , Toolbars , Components of Corel draw

What is New in edit Menu

- Introduction to corel draw , Duplicate , Clone

View menu

- Full screen Preview , Grid and ruler setup

Layout Menu

- Insert page , Delete page , Switching page Orientation , Page setup

Arrange menu

- Introduction , Transformation , Order , Behind , Group , Shaping

Effects Menu

- Adjust , Transform , Artistic Media , Contour , Extrude

Bitmap Menu

- convert to bitmap , Mode , 3d Effect

Art Strokes

- Charcol , Pastels , Pen & ink , Scrap oared , Sketchpad , Watercolor , Blur , Smooth , Color transform , Halftone

Art Stockes

- Edge Detect , Find edge

Creative

- Crafts , Glass black , Sample glass

Distort

- Blocks , swirl

Noice

- Add Noice

Text menu

- Edit text , Fit text to path

Tools & windows

Photoshop

- Introduction to Photoshop , About wark area , Toolbox overview

File menu

- What is new in file

Edit menu

- What is s new in file , Transform & Patten

Image menu

- Mode , Rotate image

Layer menu

- New layer , Layer styles , New fill layer , Add layer mask

Select menu

- Inverse , Feather , Modify , Grow

Filter menu

- Extract , Artistic , Blur , Brush stroke , Distort , Pixel ate , Render , Sharpen , Sketch

GIF   Animator

Introduction To GIF animator Softwares

- Falco GIF Animator Software , Easy GIF Animator Software , Coffee Cup GIF Animator

Adobe Illustrator

Graphics Overview

- Raster graphics , Vector graphics , Printing graphics

Creating new drawings & opening old ones

Page set up

- Rulers, grids and guidelines , Smart Guides , Smart guide preferences , One last guide to set

Selecting an object

Templates

Viewing your work

- Document info , Annotating an object

Illustrator's Design Tools

- Grid , Artboard/Workspace

Bounding Box

Setting preferences/customizing

- Keyboard Shortcuts

Saving your work

Exporting your work as a bitmap

Adobe Bridge

Special Focus Lecture

- Navigation or "Where the heck did that drawing go?" , Offsetting an object

Tools

Toolbars

- Default toolbar

Let's Play

- Drawing, selecting/deselecting, moving objects & manipulating object center points , Shapes , Drawing lines, curves, arcs

Pen Tool Paths

- Straight segments , Smooth points , Non-continuous curve

Working with Anchor Points

- Adjusting as you draw

Setting Line Measurements & Validating for Errors

- Setting line measurements , Attributes Palette

Manipulating lines - Direct Select Tool

Manipulating lines - Width Tool

Filling & outlining

The Pencil Tool Set

- Pencil Tool , Smooth Tool , Erase Tool

The Brush Tool

- Brush options , Brush types - art, calligraphic, pattern, scatter, blob bristle Working with symbol libraries

Undo the deed

- Get me outta this!

Special Focus Lectures

- Pen Tool , Symbols

Macromedia Flash

- Introduction , logging onto server , basic Macintosh skills , Working in Flash , Drawing with Flash , Basic animation , Working in the timeline , Working with symbols Shape tween staggering animation effect , Animation ReviewBreak apart and distribute Intro to Motion Guide , Motion Guide Paths , Mask layers , Button Intro , Intro to scripting , Setting up your , projectPublishing movies , Working with custom colors and gradients , Setting up scenes for first project , buttons and action scripting for project , Animated Buttons

Dreamweaver , Fireworks

- Internet Access and HTML , Internet Access and HTML , Planning Web Sites , The Dreamweaver Environment , Viewing and Managing HTML Code , Creating a Web Site , Defining a Web Site , Creating a Basic Web Page and Page Properties , Building a Web Site , The Site Panel and Templates , Adding Content to Web Pages , List Formats and Graphic File Types , Inserting a Table and Adjusting Table Properties , Using Graphics in Table Cells and Nested Tables , Using Table Layout View , Creating and Using a Repeating Region Template , Working with Links , Creating Internal and External Hyperlinks , Creating an Image Map and Anchors , Enhancing Navigation in a Site , Framesets , Reusable Navigation Bars , Managing and Uploading a Web Site , The Site Map

Quark   Express
INTRODUCTION

- Introduction to students and teacher , fill out info card , getting on to the internet , welcome to the cyberclassroom , quarkxpress demonstration , buy (1) IBM ZIP disk , start clipping folder!

THE BASICS

- Quark screen , the mouse , terms , menus , dialog boxes , tool palette , measurements palette , shortcuts , balloon help , measurements systems , bring in favorite advertisements from magazine

CREATING A DOCUMENT

- Launch application , new files , saving , reverting to saved , duplicating a file , modifying page size , open , close and quitting documents

GETTING AROUND THE PAGE

- Changing views , moving through a document , creating a text box , resizing boxes , deleting boxes , moving text boxes , input text , highlight text , delete text , clipboard , frames , insets , rotation , wrapping text , modifying , saving text

FORMATTING TEXT

- Page insertion , import text , insert pages , delete pages , rearrange pages , link and unlink text boxes , indents , leading , tracking , line breaks , paragraph rules , hyphenation , invisibles

TYPOGRAPHY AND PICTURES

- Resizing , fonts , horizontal and vertical alignment , scaling , baseline shift , special characters , creating a picture box , move a picture box , create a bleed , import and resize pictures , cropping , deleting , rotate , easter eggs , odd shape picture boxes , save page as eps

FIRST IN-CLASS PROJECT

- Create a two color mini poster using text and graphics , bring disk

LINES AND STYLE SHEETS

- Style sheets , edit a style , create align , edit a line , move a line , master pages , automatic page numbers , rename master page , apply master page , delete a master page , number sections , get diskette for project 2

COLOR

- Create a spot color , create a process color , edit a color , apply colors , create a blend

LIBRARIES

- Create a library , open a library , retrieve a library , label a library

COLLECT AND PRINT

- Group , modify , lock , duplicate , step and repeat , anchor a box , check spelling , find/change , font usage , suitcase II , bring another favorite design from magazine

REVIEW

- A review of Quark XPress and discussion about "real world" application , get diskette.Bring in your favorite pocket folder.Option : Have your own resume typed.

Introduction to SCALA

- Scala Introduction , Scala Overview , Scala Classes , Scala Singleton + Companion Objects , Scala Applications , Scala Variables - var + val , Scala Data Types (Int, String etc.) , Scala Arrays , Scala if , Scala while , Scala for , Scala Exceptions + try catch finally , Scala Match , Compiling Scala with Ant

Multimedia in Web Application

Webpage Technologies

Communication and network concepts

- Evolution of Networking: ARPANET, Internet, Interspace , Different ways of sending data across the network with reference to switching techniques , Data Communication terminologies: Concept of Channel , Baud , Bandwidth (Hz , KHz , MHz)and Data transfer rate (bps , kbps , Mbps , Gbps , Tbps).

Network devices

- Modem , RJ45 connector , Ethernet Card , Hub , Switch , Gateway.

Protocol

- TCP/IP , File Transfer Protocol (FTP) , PPP , Level-Remote Login (Telnet) , Internet , Wireless/Mobile Communication , GSM , CDMA , WLL , 3G , SMS , MMS , Voice mail , ApplicationElectronic Mail , Chat , Video Conferencing.

Softwares

- Linux , Mozilla web browser , Apache server , My SQL , PHP

Multimedia Application

- Education (use of CAI tool) , Entertainment , Edutainment , Virtual Reality , Digital Libraries , Information Kiosks , Video on Demand , Web Pages Video phone , Video conferencing and Health care.

Webpage Development

- Review Of HTML/DHTML , VB Script

Multimedia and Authoring Tools

- Movie File Formats: AVI , MPEG , SWF , MOV,DAT.Movie Frames: Concept of Frame , Frame Buffer , and Frame Rate.Authoring Tools , Making Animation , Embedding Audio/Video , and Embedding on the webpage.

Multimedia Authoring Using Macromedia Flash

- Making of Simple Flash Movie , Setting Properties , Frame Rate , Dimensions , and Background Color.Scene: Concept of Scene , Duplicate Scene , Add Scene , Delete Scene , and Navigatingbetween Scenes.

Layers

- Concept of Layer , Layer Properties , Layer Name , Show/Hide/Lock layers , Type ofLayer - Normal/Guide/Mask , Outline Color , Viewing Layer as outline , Layer Height ,Adding/deleting a layer.

Frame

- Concept of Frame , Creating a Key Frame , Inserting Text Into the Frame , Inserting Graphical Elements into the frame , Converting Text/Graphics to Symbol , Inserting Symbol into the Frame , Setting Symbol , Property (Graphics/Button/Movie) , Inserting Blank Frame , Inserting Blank Key Frame , Inserting Key Frame into the Blank frame , Selecting all/Specific frames of a Layer , Copying/Pasting selected Frames.

Special Effects

- Motion Tweening , Shape Tweening , Color effect , Inserting Sound Layer , Testing a Scene and Movie , Import/Export (Movie/Sound and other multimedia objects)

Publishing

- Publishing A Flash Movie , Changing publish Settings , ProducingSWF(Flash Movie) , HTML page , GIF image , JPEG Image (.jpg) , PNG Image , WindowsProjector (.exe) , Macintosh Projector (.hqx) , Quick Time (.mov) , Real Player (.smil) , Testing with Publish Preview