Certificate in Web Multimedia

Course Code : CR-08	
Eligibility : 10th	**Duration :** 3 Months

Multimedia Essentials

Multimedia Needs and area of use, Development platform for multimedia
Test :- 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 effects
Introduction to Sounds and Animation and Video
Introduction to Multimedia Softwares

CorelDraw , Adobe Photoshop

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   Review
Break apart and distribute Intro to Motion Guide , Motion Guide Paths , Mask layers , Button Intro   ,   Intro   to   scripting   ,   Setting   up   your   ,   project
Publishing 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

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 , Application Electronic Mail , Chat , Video Conferencing.
Softwares :-- Linux , Mozilla web browser , Apache server , MySQL , 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.

Introduction to Java Script/VB Script

Java Script :-- Introduction to java script , Event in java script , Script element , Functions in java script , variables , Operators , Comment Indicator , Conditional branching Statement , The switch Statement , Loops , Arrays , System defined function , Catching Errors , Cookies , Event handles , Object Hierarchy model
VB Script :-- Introduction to VB Script , Variables , Operators , Conditional branching statement ,Conversion functions , Predefined functions , String handling functions , Data type functions , Date Function

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