



अखिल भारतीय सूचना प्रौद्योगिकी संगठन
All India Information Technology Association
New Delhi

WORK RELATED TO MINISTRY OF INFORMATION TECHNOLOGY (GOVT. OF INDIA)

CERTIFICATE IN WEB MULTIMEDIA

Eligibility : 10th

Duration : 3 Months

Course Code : CR-09

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 from 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 work 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



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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



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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



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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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