

Web Design & Solutions

Course duration: 4 months

MODULE-1 (Demonstrate knowledge of the traditional programming process).....4hours

Class1. Demonstrate overall understanding of the programming process---

- *Defining the problem *Developing and refining algorithm with the aid flowcharts
- *Coding, Debugging, Testing and Documenting.

Class2. Demonstrate understanding of the main features of the structured programming---

- *Modular programming and its implementation approaches. *Programming structures (Sequence, Loop and Selection structures). *Short description of complex combination of condition.

MODULE-2 (Apply skills on building an HTML pages, hyperlink, image table, form in Html documents)...14hours

Class3. Overview of web pages based on HTML---

- *Overview of web pages *Declaring and identifying the document *Apply skills on tags like HTML, HEAD, TITLE, META, BODY

Class4. Demonstrates knowledge on text formatting---

- *Demonstrate the usage of headers property *Text styles *Lists *Add paragraph *Keywords, Description and Authorship.

Class5. Applying skills on various tasked based on lists and links---

- *Order lists *Unordered lists *Nesting lists * Definition lists *Applying email links *Applying linking within pages.

Class6. Applying skills on using images and media files---

- *The IMG Element. *Apply width and height values *Providing Alternative Text *Linking the Image *Linking to and Audio or Video files. *Embedding files using the OBJECT Element.

Class7. Create and format TABLE in HTML documents---

- *Appling the TABLE element *Apply skill on manipulating TABLE width, borders and spacing. *Add a TABLE Row *Adding TABLE Cells *Adding TABLE Headers *Adding a caption *Spanning Rows and Columns

Class8. Demonstrate skills on FORM---

- *Apply the FORM elements. *Adding an INPUT textbox *Adding CHECK BOXES and RADIO BUTTONS *Select checked items in design time. *Working with Text Areas. *RESET and SUBMIT Buttons. *Using a Graphic Submit Button *Customizing and Advancing Forms.

Class9. Applying skills on working with FRAME---

- *Creating a FRAMESET *Adding columns *Working with rows. *Combining columns and rows *Margin, Resize and Scroll Controls. *Naming and Targeting FRAMES *Making Frames Accessible with NOFRAMES.

MODULE-3(Gain Knowledge on basic concept in CSS).....14hours

Class10. Demonstrate CSS basics---

- *Introduction *A brief demonstration an CSS theory *Create Style Sheets *Adding Style Line *Using embedded style *Creating linked style sheet *Importing style sheets.

Class11. Color the documents using CSS---

- *Demonstrate color and CSS *Adding color to backgrounds *Spice up a TABLE using background color.

Class12. Manipulating image in document using CSS---

- *Attach a background graphics *Control background tiles *Positioning a background graphics.

pdfMachine

A pdf writer that produces quality PDF files with ease!

Produce quality PDF files in seconds and preserve the integrity of your original documents. Compatible across nearly all Windows platforms, if you can print from a windows application you can use pdfMachine.

Get yours now!

- Class13. Manipulating FONTS and Formatting Text using CSS---
 - *Choosing fonts *Applying FONT FAMILIES to text *Sizing fonts *Font weight and style
 - *Color a text *Align text *Apply skills on text decoration
- Class14. Applying skills on style link using CSS---
 - *Apply skills on working with link states *Apply skills on multiple link styles using class selectors
 - Styling list using CSS---
 - *Styling ordered lists *Styling unordered lists *Apply skills on shorthand CSS for list style.
- Class15. Creating list navigation using CSS---
 - *Create list based vertical navigation using color *Create vertical list navigation with image effect.
 - *Create horizontal list-based navigation with color *Create horizontal list navigation with images.
- Class16. Styling Margins and Borders---
 - *Exploring the box models *Using margins *Using negative margins *Styling borders and using padding.
 - Applying skills on Positioning---
 - *Relative Positioning *Absolute Positioning *Fixed Positioning.

MODULE-4(Orientation to JavaScript, Data, Variable and Operators).....12 hours

- Class17. Demonstrate knowledge on JavaScript---
 - *Basic usage of JavaScript in a web page *JavaScript into HTML pages. *Advantages of JavaScript in comparison with HTML
- Class18. Demonstrate some samples of JavaScript
 - *Apply skills on alerting the viewer. *Apply skills on prompting a reaction *Changes Background Colors
- Class19. Demonstrate how JavaScript write properly
 - *Writing JavaScript *Case sensitivity and entering comments *optional semicolon *Demonstrate the right ways to be recognized by older browsers *Demonstrate the naming rules and conventions and reserved words.
- Class20. Demonstrate knowledge on Literals---
 - *Demonstrate Numbers. *Scientific Notations *Hexadecimal Literals *Strings *the Escape Sequence for Strings *Boolean Values.*Calculations and Concatenations *Objects as Literals *Functions as Literals *Undefined and Null Values *Regular Expression Literals.
- Class21. Gain knowledge on Variables---
 - *Declaring and Naming *Global and Local Variables *Primitive and Compound Data
- Class22. Demonstrate Arrays and Operators---
 - *Demonstrate Arrays *Setting up and arrays * Array properties and methods *Array Length *Functions of array object *Operators in JavaScript.

MODULE-5(Apply skills on JavaScript Structure, Function, Object and Object Hierarchies, OOP, FORMS and COOKIES).....16 hours

- Class23. Apply skills on sequenced statements---
 - *Variable Declaration and Assignments *Function Definitions *Functions Call *Increment / Decrement Statements
- Class24. Apply skills on Branching Statements---
 - *Apply skills on conditional statements *Apply the If statements *Demonstrate the else keyword *Demonstrate the else if convention
- Class25. Demonstrate LOOPS---
 - * Apply the FOR in Loop *Apply the WHILE Loop *Demonstrate the DO WHILE Loop *Apply nested Loops.
- Class26. Apply skills on using Functions in JavaScript---
 - *Apply skills on methods and functions. *Apply skills on creating functions *Firing functions with event handlers *Demonstrate event categories *Load events

pdfMachine
A pdf writer that produces quality PDF files with ease!
 Produce quality PDF files in seconds and preserve the integrity of your original documents. Compatible across nearly all Windows platforms, if you can print from a windows application you can use pdfMachine.
 Get yours now!

- Class27. More on using Function in JavaScript---
 *Apply skills on frame –related events. *Demonstrate the return statements *Apply skills on using function as data *Apply properties in functions.
- Class28. Demonstrate Objects and Hierarchies---
 *Demonstrate hierarchy of objects in JavaScript *Apply user-defined objects *Demonstrate built-in objects and their properties *Demonstrate key built-in object methods.
- Class29. Demonstrate Object Oriented Programming (OOP) in JavaScript---
 *Demonstrate OOP in JavaScript *Demonstrate why OOP is so essential *Demonstrate the document model.
- Class30. Apply skills on using FORMS & COOKIES in JavaScript---
 *Apply skills in many types of FORM elements in HTML *Apply skills on passing data between forms and variables *Demonstrate forms and elements *Demonstrate what are cookies and how are they used *Apply skills on putting cookies to work * Create a cookie *Delete Cookies

MODULE-6(Introduction to Graphics & Animation with Photoshop7 and Flash8).....14hours

- Class31. Demonstrate knowledge on Photoshop, its Layers, Shapes and Selections---
 *Demonstrate Digital Image, 2D Graphics and introduction to Photoshop and its Layers
 *Applying knowledge of creating Shapes with Selections
- Class32. Demonstrate knowledge of Combing Image and creating Web Headers---
 *Using the Marquee Selection tools *Separating a part of an Image *Cropping an Image
 *Exploring the Pen Tool *Editing with Path Selection tools
- Class33. Demonstrate knowledge on Flash Movie Essentials---
 *An introduction to Flash8 and its significance *the authoring environment, stage, work area, Properties panel, size of stage *Timeline, Frames, Keyframes, Animation, Layers, Scene.
- Class34. Understanding the Flash Tools Panel---
 *The Tools Panel, Selection Tool, Tools panel, Drawing and modification tools *The Rectangle tool, Oval tool, Eyedropper tool, Ploy Star tool, Pencil tool, Brush tool ,Eraser tool, Pen tool, Text tool, Free Transform tool and animation.
- Class35. Apply skills on Flash Symbols and Libraries---
 *Working with Symbol essentials and types *Graphic symbols, Modifying symbols *Working with multiples Libraries * Button symbols *Movie clip symbols *Movie clip and the main Timeline
- Class36. Apply skills on Color and Image---
 Apply skills on Motion and Shape Tweening---
 Apply skills on Mask and Masking---
- Class37. Apply skills on Advanced Animation, Effects and Commands---
 Apply skills on Actions and Interactions---
 Demonstrate knowledge on Optimizing and Publishing

MODULE-7(Database Driven Web Application—PHP&MySQL).....22 hours

- Class38. Demonstrate the knowledge on Fundamentals of PHP---
 *Introduction to PHP *Installing and Configuring Apache and PHP * PHP basics
- Class39. Apply skills on Functions, Arrays, Object Oriented Features of PHP and Exception Handling---
- Class40. Apply skills on String and Regular Expressions, Files and Operating System.
- Class41. Working with Date, Time, Form’s Data Handling Using PHP and Applying Authentication
- Class42. Apply skills on Updating Files and Networking
- Class43. Apply skills on Session Handlers, Web Service, and Securing PHP Programming.
- Class44. Apply skills on Basics of MySQL Database
- Class45. Apply skills on Securing MySQL and PHP’s MySQL Extension

pdfMachine
A pdf writer that produces quality PDF files with ease!
 Produce quality PDF files in seconds and preserve the integrity of your original documents. Compatible across nearly all Windows platforms, if you can print from a windows application you can use pdfMachine.
 Get yours now!

Class46. Apply skills on Practical Database Queries, Indexing, Trisections, Importing and Exporting data
Class47. Evaluation & Implementation
Class48. Assessments & Implementation

pdfMachine

A pdf writer that produces quality PDF files with ease!

Produce quality PDF files in seconds and preserve the integrity of your original documents. Compatible across nearly all Windows platforms, if you can print from a windows application you can use pdfMachine.

Get yours now!

pdfMachine

A pdf writer that produces quality PDF files with ease!

Produce quality PDF files in seconds and preserve the integrity of your original documents. Compatible across nearly all Windows platforms, if you can print from a windows application you can use pdfMachine.

Get yours now!