

WEB DESIGNING and PROGRAMMING: ADVANCED HTML WITH CSS, JAVASCRIPT AND PHP

Course Contents

Introduction to Web Design: Domain Names and DNS, Client and Server Software, Static & Dynamic Web page

HTML/XHTML: Basic HTML Tags, Headings, Paragraphs, Line Breaks, Lists. HTML Tables and Frames. HTML Hyperlinks (Internal/External), HTML Forms and Data submission, HTML Images and Multimedia. Advanced HTML Tags, HTML Audio/Video, Canvas.

CSS: Introduction to Cascading Style Sheets, Types of style sheets, Colour in CSS, Typography in CSS, Box Model (Introduction, Border properties, Padding Properties, Margin properties) in CSS, Page Layout Techniques, CSS Opacity / Transparency, CSS Fonts and Tables.

Advanced CSS: CSS Gradients, colours, backgrounds, borders, 2D and 3D Transforms, Animations, Transforms and Transitions, CSS Media.

JavaScript: Client and Server side scripting, JS introduction, Types of Java Scripts, Variables, operators, loops, JS Objects, DOM architecture, Events. Form data handling in JS. Common JS functions, JS Validations, Implementing menus and galleries using JS, Simple applications using JS.

PHP: Introduction to PHP, defining variable and constant, PHP Data type, Operator and Expression, Decisions and loops, **Functions:** Call by value and Call by reference, Recursive function. **Strings:** String Searching & Replacing String, Formatting String, String Related Library functions. **Array:** Creating index based and Associative array, Accessing array, Element Looping with Index based array, and associative array using each () and foreach(), Library functions.

Handling Html Form with PHP: Capturing Form Data, Generating File uploaded form, redirecting a form after submission.

Database Connectivity with MySQL: Introduction to RDBMS, Connection with MySQL Database, Database operations (DML) (Insert, Delete, Update, Select), Setting query parameter, Executing Queries and Extracting Data from Database.