

G.S. College of Commerce & Economics (Autonomous) Jabalpur

Certificate Course in Web Designing

Objective of the Course:

The course has been designed to provide the basic knowledge for design of the web page / site.

Learning Outcomes:

- A website is Published using application Server
- Apply Java script Code to sites.
- Apply proper layout and interactive website design.

Duration of the Course (in hours) 90 hrs

Minimum Eligibility Knowledge of Basic Computer Concept

Outline of Course

S. No	Topic	Minimum No. of Hours
1.	Introduction to Internet & Web	10 hrs
2.	HTML	20 hrs
3.	CSS	10 hrs
4.	JavaScript	15 hrs
5.	PHP	20 hrs
8.	Project on Website Development	15 hrs
Theory / Lecture Hours:		45 hrs
Practical / Tutorial / Lecture Hours:		45hrs
Total Hours:		90 hrs

Course Contents:

1) Introduction to Internet & Web:

Applications of Internet, History of Internet, What is Special about Internet, Advantages Threat and Limitation of Internet, World Wide Web (WWW) History. Uses of Internet, Services on Internet: Communication Service, Information Retrievals, Web Service, World wide web, Video conferencing, Internet Uses in Entertainment, Education, Business.

Internet: Internet Service Providers, Type of ISP, DSL, Broadband, URLs, Domain names, Portals, Applications. E-Mail: Concepts, Basics of Sending & Receiving, E-mail, Free E-mail services. How E mail Works, Advantage of Using Email, Email name and Address, Address Book, File Attachments, Signature, Setting Priority, Replying and Forwarding Email, Spamming, Email Ethics.

Web Browsers, Setting default browser, browser history, Privacy settings in Browser. Browser interface, Its function. Concept of Search Engines, Web Directory, Client server architecture.

2) HTML

HTML: Introduction, Editors, How to Write save and View Webpage Using HTML, Design Tools, Example HTML Editors, Image Editors. HTML Concepts of Hypertext, Versions of HTML, Elements of HTML Syntax, Tags, Open and Closed Tags, Head & Body Sections, Tags to Head and Body, Title Tag Building HTML Documents, Working With Text Bold, Italic, Underline, Blink, Teletype, Superscript, Subscript, Font, Paragraph, Aligning Text, Line Break, Inserting Images, Set Image Location, Height and Width, Hyperlinks : Linking Document, Linking of page Section, Target Attributes. Backgrounds: HTML back ground with Image and Colors, Color Controls: Color Coding in HTML. Different HTML Tags, Table Layout and Presentation: Table Heading, Cell Padding and Cell spacing, Colspan and Row Span, Table Height and Width, Table Heading, Table Caption, Table Body Header and Footer. List types and its Tag: Ordered and Unordered List and Attributes.

3) CSS

Cascading Style Sheet (CSS) – Introduction, creating style, using inline and external CSS, Creating Divs with ID style, Creating Tag & Class style, creating borders, Navigation links, creating effects with CSS.

4) JavaScript

JavaScript – Introduction, use of JavaScript in web pages. Understand JavaScript event model, use some basic event and control webpage behavior. Variable declaration, Operators, , Control Statements, Error Handling, Understanding arrays, Function Declaration, Built In Functions, Standard Date and Time Functions, Working with Objects, Call method in JavaScript.

5) PHP

Introduction to PHP, History of PHP, Versions of PHP, Features of PHP, Advantages of PHP over Other Scripting Languages, software requirements, Installation and Configuration of PHP, Installing and Configuring Apache to use PHP on Windows, Basic HTML, Embedding PHP in HTML, PHP Basic syntax, data types, comments, variables and constants, scope of variables, PHP arrays: creating array and accessing array elements, PHP String, PHP operators, precedence of operators, expressions, creating a PHP Script, running a PHP script.

PHP conditional statements, switch case, PHP looping statements, PHP functions, Introduction to a web form, processing a web form, capturing form data, passing information between pages, PHP \$_GET, PHP \$_POST.

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