

Web Development with PHP & MySQL

Duration: 3 Months (90-100 Hrs.) (Weekdays Batch)

Prerequisites

- There are no Pre-requisites for this course.
- Passion to learn Web Technologies.

HTML 5/CSS3

1. HTML 5

- Introduction
- Basics, Elements , Attributes
- Paragraphs and Formatting
- HTML Skeleton, Links, Images
- HTML Tables, Blocks
- HTML Lists, Quick List
- HTML Blocks
- HTML Layouts & Forms, IFrames
- HTML Colors
- HTML5 Intro
- HTML5 Video
- HTML5 Audio
- HTML5 Input Types
- HTML5 Form Attributes

2. CSS / CSS3

- Introduction
- Syntax
- Id & Class
- Backgrounds
- Text and Fonts
- Links and Lists
- Box Model
- Advanced Topics
 - Dimensions ,Display
 - Positioning, Floating
 - Align
- CSS3 Borders
- CSS3 Backgrounds
- CSS3 Text Effects
- CSS3 Fonts

JavaScript & JQuery

1. JavaScript

- Introduction
- Statements & Comments
- Variables
- Operators and Comparisons
- Conditional Statements and Loops
- User Defined Functions
- JS Objects
- JS Validations

2. JQuery

- Introduction
- JQuery Syntax
- JQuery Selectors

3. JQuery Events

4. JQuery Effects

- JQuery Hide/Show
- JQuery Fade
- JQuery Slide
- JQuery Animate
- JQuery Stop()
- JQuery callback
- JQuery chaining

5. JQuery HTML

- JQuery Get/Set
- JQuery Add/Remove
- JQuery CSS Classes

6. JQuery Misc

- JQuery noConflict()

Bootstrap

- 1. How to Create a Layout in Bootstrap**
 - Grid Classes
- 2. Basic Tags in Bootstrap**
 - Contextual colors and backgrounds
- 3. Table in Bootstrap**
 - Bootstrap Basic Tables
 - Striped Rows
 - Bordered Table
 - Hover Rows
 - Condensed Table
 - Contextual Classes
 - Responsive Tables
- 4. Navigation bar in Bootstrap**
 - Inverted Navigation Bar
 - Fixed Navigation Bar
 - Navigation Bar with Dropdown
 - Right-aligned Navigation Bar
 - Collapsing the Navigation Bar
- 5. Form in Bootstrap**
 - Vertical Form
 - Horizontal Form
 - Inline Form
- 6. Buttons in Bootstrap**
 - Button Styles
 - Button Sizes
 - Block Level Buttons
 - Active/Disabled Buttons
- 7. Images in Bootstrap**
 - Rounded Corners Image
 - Circle Image
 - Thumbnail Image

PHP

- 1. PHP Introduction**
 - Introduction of Web Application
 - Client-Server Architecture
 - What is Open source ?
 - Why PHP ?
- 2. installation**
 - Installation Of PHP, MySQL And Apache. (XAMPP Tool)
 - Installation Of Adobe Dreamweaver.
- 3. PHP Fundamentals**
 - Syntax Overview
 - Data types
 - Variables
 - Constants
 - Expressions
 - Operator Types
- 4. Control structures**
 - Conditional statements
 - Loops
- 5. PHP Functions**
 - What is Function ?
 - Function syntax
 - Built in Functions
 - Include and Include_once
 - Require and require_once
 - Header Function
 - DateFunations
 - User defined Functions
- 6. Arrays**
 - Array Introduction
 - Syntax of Array
 - Types of Array
 - Predefined Array Functions
- 7. Strings**
 - Syntax of String
 - Predefined String Functions
- 8. Working with Forms and Validations**
 - Retrieve value of form – PHP GET & PHP POST
 - PHP Form Validation
- 9. Working with Sessions**
 - introduction
 - Create session
 - Retrieve session
 - Destroy session
- 10. Working with Cookies**
 - Introduction
 - Create cookies
 - Retrieve cookies
 - Delete cookies

11. OOPS with PHP overview

- Introduction
- Objects
- Class
- \$this Keyword
- Access Modifiers (Public , private,protected)
- Constructor
- Destructor
- Parent:: and self:: keyword
- Static properties and methods
- Constant datamenbrs
- Inheritance
- Polymorphism
- Interface
- Abstract class and method
- Final
- Magic methods
 - set
 - get
 - call
 - autoload

12. AJAX

- Introduction
- XMLHttpRequest
- Create Object
- Request
- Response
- readyState

13. File Handling & Emails

- File Handling, File uploading
- Open , read and closing file
- Create and write file
- Sending mails using PHP

14. PHP and XML

15. CMS Tool Wordpress

- What is CMS ?
- What is Wordpress?
- Features Of Wordpress
- What is Plugins?
- What is Widgets?
- Installation Of Wordpress
- How to install pages and posts

Database MYSQL

- Introduction of DBMS and RDBMS
- Connection with Database
- DDL Operations (create ,alter , drop ,truncate/empty)
- DML Operations (insert, update, delete)
- DQL Operations (select)
- Executing queries
- Handling Query Results
- Handling Query Errors
- Joins
- order By and Groupby
- Like Patterns
- Stored Procedure
- Practice Application with Database Integration

Content Management System (CMS)

1. Joomla

- What is CMS?
- What is Joomla?
- Installation of Joomla
- How to create menus and submenus?
- Joomla Modules
 - How to install ready-made Modules?
 - How to create own module using Blank Module?

- Joomla Components
 - How to use Component?
 - How to create own component using Blank Component?
- How to install Template?

2. Wordpress

- What is CMS?
- What is Wordpress?
- Features Of Wordpress
- What is Plugins? What is Widgets ?
- Installation Of Wordpress
- How to install pages and posts?
- How to Active widgets?
- How to install plugins?
- How to install wordpress theme?

PHP Framework

1. CODEIGNITER Framework

- Introduction and MVC Architecture
- CodeIgniter URLs
- Creating a Controller
- Creating a View
- Creating a Model
- Working with Helpers
 - URL Helper
 - Form Helper
 - Download Helper
 - Cookie Helper
 - Email Helper
- Working With Libraries
 - Database Library
 - Session Library
 - File Upload Library
 - Ajax Implementation
- Practice Application with CodeIgniter

- **Hands on Experience on One Live Project.**

- **Candidate's Resume Formation , Mock Tests & Interview Tips**