

Course: Web Development

Prerequisite skills

- Basic programming knowledge on C Language or Core Java is must.

Module 1

Basics and introduction to HTML

- Basic HTML training.
- Different HTML elements, tags & attributes.
- HTML DIV Structure, different DIV positioning and effects.
- HTML Table Structure, Table Row, Table Data etc.,
- HTML Hyperlinks & Images.
- HTML Forms.
- Advanced HTML Training.

Module 2

CSS, Javascript and Basic JQuery

- Cascading Style Sheet or CSS Training.
- Different types of CSS.
- Understanding HTML Class & ID.
- Basic Javascript Training.
- Javascript variables, loops, if-else structure etc.,
- Javascript Arrays.
- Javascript String handling.
- Javascript Functions.
- Javascript Form Validation.
- Basic JQuery Training.

Module 3

Static Website Design

- Static Website Designing.
- External CSS, Javascript and JQuery.
- JQuery Banners for websites.



Module 4

Introduction to PHP

- Understanding Dynamic Website.
- Understanding Database, Database Table, Row & Column.
- Understanding PHP.
- Introduction to MySQL Database.
- XAMPP Installation.

Module 5

Programming with PHP

- PHP Variables & Expressions.
- If-else, switch-case conditional operators in PHP.
- PHP Events.
- For loop, while loop, for-each loop in PHP.
- PHP Arrays.
- Types of arrays in PHP.
- PHP String handling & manipulation.
- PHP Functions.
- PHP File handling.
- PHP Pagination.
- PHP Email function.

Module 6

Introduction to Database

- PHPMyAdmin training.
- Creating a MySQL database.
- Creating a MySQL database table.
- Concept of Primary Key.
- Concept of Foreign Key.
- Concept of Unique & Null Key.
- Data Redundancy & Normalization.
- Inserting data from PHPMyAdmin.
- Selecting data from PHPMyAdmin.
- Deleting data from PHPMyAdmin.
- Importing data to MySQL database using PHPMyAdmin.
- Exporting data from MySQL database using PHPMyAdmin.



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- Dropping table from database using PHPMyAdmin.
 - Connecting PHP with MySQL database.

Module 7

PHP Programming with MySQL Database

- PHP form building.
- PHP Post method.
- PHP Get method.
- Introduction to Structured Query Language.
- SQL Create query to build table into MySQL database using PHP.
- SQL Insert query to store data in databases using PHP.
- SQL Select query to fetch data from database using PHP.
- SQL Delete query to delete data from MySQL database using PHP.
- SQL Update query to edit data in MySQL database using PHP.
- SQL Where clause.
- SQL Limit.
- SQL Ordering (ASC / DESC).
- SQL Grouping.
- SQL Joining.
- Types of SQL Joining.
- SQL Inner Queries.
- SQL Aggregate functions.

Module 8

PHP Data Validation and Sanitization (Server Side)

- Data validation and filtering using PHP.
- PHP data sanitization.
- PHP functions and coding to verify and validate user data (input).
- PHP data purifier coding.

Module 9

PHP Session and PHP Cookies

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- Complete PHP Session control.
 - PHP Cookies and cookies data handling.



- Complete Sign Up & Login Page Design and development using PHP & MySQL database.

Module 10

PHP Securities

- Understanding SQL Injection & how to fix.
- CSRF attacks & how to fix.
- XSS & PHP coding.
- Session Hijacking & PHP.
- PHP INL
- PHP display error handling.

Module 11

Introduction to AJAX with JQuery and Javascript

- Advanced JQuery.
- Complete form validation using JQuery.
- Understanding AJAX structure.
- DOM concept.
- Problems with AJAX.
- Data insertion into MySQL database using AJAX.
- Data selection from MySQL database using AJAX.
- Data updation into MySQL database using AJAX.
- Data deletion from MySQL database using AJAX.
- Live Rating system project with PHP, MySQL & AJAX.

Module 12

Live Server Control

- CPanel & FTP control.
 - Database, database Table creation using CPanel & PHPMyAdmin on Live Server.
 - PHP INI Handling using CPanel.
 - Database Backup.
 - Company Email ID creation.
 - Creating FTP connection.
 - File upload, update & delete using FTP.
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Final Module



ENFA
INFOLINKSYS

A mission to link you to information system

Complete Project

Complete Web based software will be developed in PHP/mysql starting from design to implementation

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