

Course Name: Assistant PHP Developer

Duration: 6 Months

Module 1: HTML and CSS

Module 2: JAVA SCRIPT and JQuery

Module 3: Database - MYSQL

Module 4: PHP

Module 5: CMS – WordPress

Module 6: Introduction to Framework

Module 7: Employability Skills

Module 8: Project/ OJT

1. HTML and CSS

- Introduction to HTML
- HTML elements, tags and Attributes
- Creating HTML Page
- HTML links, List types
- Creating HTML tables
- Adding pictures & images
- Adding audio & video
- Working with Forms
- HTML 5 new tags (new elements, Input Types, Form Elements, Form Attributes, Canvas, SVG, Video, Audio)
- What is CSS
- Types of CSS(Inline, Internal & External)
- CSS2 (Backgrounds, Margins, Padding, Border, Positioning, Float, Z-index, Links, Text, Outline)
 - CSS3 (Selectors, Border, Background, Text, Text effects, Box Shadow, 2D & 3D Transforms, Transition, Animation, Bootstrap, Media Query)

2. JAVA SCRIPT and jQuery

- Introduction to JavaScript
- Basic structure
- Control Structure
- Arrays and Strings
- Functions
- Document Object Model
- Events and Methods
- Validation
- Introduction to jQuery
- jQuery Install
- jQuery Syntax
- jQuery Selectors
- jQuery Attributes
- jQuery Traversing
- jQuery Events
- jQuery Effects
- jQuery Ajax

3. Database - MYSQL

- Introduction about Database, Data Types, DML, DDL
- Introduction to MYSQL & MYSQLi
- Create Database and Table
- Insert, Select and Where clause
- Update and Delete commands
- Order By, Group By
- Aggregate functions, Date Time functions
- Stored Procedure, Sub query and join
- Index, Views
- Overview of Privileges Provided by MySQL
- Import and Export Database
- MySQL injection

4. PHP

- Introduction to PHP & PHP Versions
- Introduction to web server, Apache, Wamp/Xampp installation and configuration files
- PHP syntax
- Variables and operators
- Control structures
- Arrays and strings
- Functions
- Forms and validation
- \$_GET, \$_POST & \$_REQUEST
- Global variables
- PHP Include
- File handling
- State Management(Cookies and sessions)
- OOPs Concepts
- E-mail, Mobile OTP
- Captcha
- Errors and exception
- Database Configuration with PHP
- Authentication (user login)
- Authorization(permissions)

5. CMS - WordPress

- Introduction to CMS, Features, Advantages & Disadvantages
- Introduction to WordPress
- System Requirement & Installation
- File and Directory Structure
- Admin Dashboard and settings
- WordPress Categories, Posts, Media, Pages, Tags, Links & Comments
- Installing & Customizing Themes and Plugins

6. Introduction to Framework

- Basic concept of Framework
- Introduction to CodeIgniter
- Architecture and Data flow in CodeIgniter
- Installation
- MVC Architecture
- Routing
- Controllers, Views and Models
- Database configuration
- Creating first page with MVC

7. Employability Skills

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Career Development & Goal Setting
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting Ready for Apprenticeship & Jobs

8. Project/ OJT