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Duration: 4 Months

Web Development Course Syllabus

What you will Learn?

- ❖ HTML4/ HTML5
- ❖ CSS2/ CSS3
- ❖ JavaScript
- ❖ Bootstrap4
- ❖ PHP/ MYSQL
- ❖ WordPress/ WooCommerce
- ❖ SEO(Search Engine Optimization)
- ❖ Work with Live project

Introduction to HTML:

- What is HTML
- Basic structure of an HTML document
- Mark up Tags
- Heading-Paragraphs
- Line Breaks
- HTML Tags.
- HTML Semantic Tags
- HTML Comments
- HTML Links

Elements of HTML:

- Introduction to elements of HTML
- Working with Text
- Working with Lists, Tables and Frames
- Working with Hyperlinks, Images and Multimedia
- Working with Forms and controls.

Introduction to Cascading Style Sheets:

- Concept of CSS
- Creating Style Sheet
- CSS Styling (Background, Text Format, Controlling Fonts)
- Working with Block and Inline Elements
- Working with Lists and Tables
- CSS Id and Class
- Box Model (Introduction, Border properties, Padding, Margin, Box-Sizing)
- CSS Properties (Display, Positioning, Floating, Align, Pseudo Class, Pseudo Elements, Navigation Bar, Dropdown)
- CSS Advanced (Colors, Background, Gradient, Text & Box Shadow, 2D Transforms, 2D Transforms, Transition, Animation)
- CSS Units
- CSS Media query
- CSS Grid Layout
- CSS Flexbox Layout
- Creating CSS Website Layout.

Introduction to SEO:

- ON-Page SEO (Title/ Description/ Focus keywords/ Robot.txt File/ Sitemap/ Google Analytics)
- OFF-Page SEO (Social Media Promotion & Backlinks)

Introduction to JavaScript:

- SCRIPT tags
- Placing JavaScript on a webpage
- Using variables

JavaScript Fundamentals:

- Operators
- Using functions
- Conditionals and loops

Putting JavaScript to Work:

- Events
- The navigator object
- Cookies and local data
- JavaScript timers: SetTimeout and setInterval
- Properties and methods of the DOM (Document Object Model)

Arrays:

- JavaScript arrays
- Properties and methods of arrays
- Associative arrays

Working with Numbers, Dates, and Strings:

- The Math object
- The Number object
- The Date object

Working with Forms:

- Accessing the form element
- The form object
- Accessibility
- Validation

Introduction to Bootstrap:

In this module, you will learn about Bootstrap Introduction, how to design web page look and feel good by using Bootstrap and the basics of Bootstrap Framework using which you can create web projects with ease that

- What is Bootstrap Framework
- Why Bootstrap
- History of Bootstrap
- Advantages of Bootstrap Framework
- What is Responsive web page
- How to remove Responsiveness
- Major Features of Bootstrap
- What is Mobile-First Strategy
- Setting up Environment
- How to apply Bootstrap to Applications

Bootstrap Grid:

In this chapter, you will learn about the Bootstrap Grids in web design organise and structure content, makes the websites easy to scan and reduces the cognitive load on users. How to create page layouts through a series of rows and columns that house your content and how the Bootstrap grid system works that

- What is Bootstrap Grid
- What is Container
- What is Offset Column
- How to Reordering Columns
- Advantages of Bootstrap Grid
- How to Display responsive Images
- How to change class properties
- How to use readymade themes
- How to customize Bootstrap's components, Less variables, and jQuery plug-in.
- What is Bootstrap Typography & How to use Typography
- What is Bootstrap Tables, Form Layout & Button
- How display images in different styles like Circle shape etc
- How to display text like muted and warning etc
- What is Carets Classes

- How to hide or show the text in Bootstrap

Bootstrap Components:

In this module, you will get knowledge on over a dozen reusable components built to provide iconography, dropdowns, input groups, navigation, alerts, and much more. Advantages of button groups and toolbars and how to use that

- What is Bootstrap Components
- Why Bootstrap Components
- Advantages of Bootstrap Components
- What are the different types of Bootstrap Components
- What is Glyphicons Component
- How to use Glyphicons Component
- What is Bootstrap Dropdown Menu Component
- What is Button Groups and Button Toolbar
- How to use Button Groups and Button Toolbar
- What are different Input Groups Components
- What is Navigation Pills & Tabs Components
- How to use Navigation Pills and Tabs Components
- What is Navbar Component
- How to build a Responsive Navbar
- How to Add Forms and other controls to Navbar
- How to Fix the position of navbar
- What is Breadcrumb Component
- What is Pagination Component
- How to apply Pagination in Application
- What is Labels / Badge Components
- What is Jumbotron / Page Header Components
- What is Thumbnail Component
- What is Alerts & Dismissible Alerts
- How to Create Progress Bar
- What is Media Objects Component
- Why Media Objects Component
- How to use Media Objects Component
- What is Bootstrap List Group Component
- What is Bootstrap Panel Component

Introduction to PHP:

- What is PHP
- PHP is better than its alternatives
- Hardware and Software requirements
- What a PHP Script Looks Like
- Advantages of PHP

Getting Started With PHP:

- How PHP scripts work
- Basic PHP syntax
- PHP data types
- PHP Variables
- Operators in PHP
- Conditional Statements
- Loops (If, If else and Switch)

SuperGlobals:

- \$_GET
- \$_POST
- \$_REQUEST
- \$_FILES
- \$_SESSION
- \$_COOKIES
- \$_SERVER

String Manipulation:

- String Variables in PHP
- The Concatenation Operator
- The strlen() function
- The strpos() function
- Joining and Splitting String
- Comparing String

Working with array:

- Types of Arrays
- Creating Arrays
- Accessing Arrays
- Single-Dimensional Arrays
- Multidimensional Arrays

PHP Function:

- User-Defined Functions
- Inbuilt functions

Working with Forms:

- Designing a Form
- \$_GET and \$_POST
- HTML and PHP code
- User Input
- Form Validation

Introduction to MYSQL Database:

MYSQL Database

- What is Database
- Database Models
- Tables, Records, and Fields

Working with PHPMysqlAdmin

- Creating Databases
- Datatypes in MySQL
- Creating Fields Unique Key
- Insert / Delete / Update / View Record
- Drop Database/Tables