

Web Development Training Structure

Module-1 – 1st Month

1. Introduction to Web

- 1.1 A brief history of web and internet
- 1.2 Why websites are important for a businesses and individuals
- 1.3 What is a server
- 1.4 What's the role of hosting and domain
- 1.5 Comparing static and dynamic websites
- 1.6 Difference between frontend and backend development

2. Basic yet effective practices to keep in mind while coding on any language

- 2.1 Proper use of commenting
- 2.2 Keeping the code simple and formatted
- 2.3 Reusability and scalability

3. Introduction to HTML5

- 3.1 What is HTML5?
- 3.2 Defining Tags
- 3.3 Defining Attributes
- 3.4 Working with basic tags and understanding the tags relationships
- 3.5 Linking pages together, managing files URL path and linking to external URLs
- 3.6 Working with media playback features
- 3.7 Working with tables
- 3.8 Working with form elements
- 3.9 Working with iFrames and embedding techniques

4. Introduction to CSS3

- 4.1 What is CSS3?
- 4.2 Understanding the CSS types
- 4.3 Working with CSS syntax
- 4.4 Working with CSS selectors
- 4.5 Difference between Class and ID selector
- 4.6 Working with external fonts



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- 4.7 CSS combined with DIV elements to structure your first webpage
- 4.8 Working with background properties
- 4.9 Exploring gradients through CSS
- 4.10 Using shadows
- 4.11 Using borders and outline
- 4.12 Working with spacing of elements
- 4.13 Working with positioning of elements
- 4.14 Using transform properties
- 4.15 Using animations in CSS3
- 4.16 Working with CSS combinators
- 4.17 Working with pseudo classes and elements
- 4.18 Working with z-index and Understanding media queries for responsive layout

5. Introduction to JavaScript

- 5.1 Basic programming concepts
- 5.2 What are variables
- 5.3 Working with conditional statements
- 5.4 Introduction to loops and it's types
- 5.5 What are functions
- 5.6 Working with DOM
- 5.7 Using form elements to trigger functions

6. Bonus Material

- 6.1 Introduction to Bootstrap
- 6.2 Working with web templates
- 6.3 Using premade hover boxes
- 6.4 Using premade animations library
- 6.5 Publishing website live on a server



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Module-2 – 2nd Month

7. Introduction to CMS

- 7.1 Discuss top CMS currently available
- 7.2 Introduction to WordPress
- 7.3 What are themes
- 7.4 What are plugins

8. Installing WordPress

- 8.1 Revisiting server and cPanel
- 8.2 Working with XAMP/WAMP
- 8.3 What is a database
- 8.4 Creating a database
- 8.5 WordPress installation
- 8.6 Exploring the Dashboard

9. Working with WordPress Themes and Plugins

- 9.1 Using themes and plugins
- 9.2 Experience different page builders with their Pros and Cons

10. WordPress File Structure

- 10.1 WordPress Architect Knowledge
- 10.2 WordPress Tree

11. Basic and Advance PHP for WordPress

- 11.1 Loops (For, While, DoWhile & Foreach)
- 11.2 If-else and Switch Statement
- 11.3 Logic building

12. Custom WordPress

- 12.1 How to make Child theme
- 12.2 How to create Template
- 12.3 How to make Shortcodes
- 12.4 Hooks, Actions & Filters
- 12.5 Enqueue Style and JS
- 12.6 Custom Post Type
- 12.7 Custom Fields
- 12.8 Plugin Development



Module-3 – 3rd Month

13. Conversion of PSD to WordPress

- 13.1 Using basic features of Adobe Photoshop
- 13.2 Difference between Cropping and Slicing
- 13.3 Setting up the typography and theme settings
- 13.4 Working on grid and structure
- 13.5 Finalizing the styling of layout/structure
- 13.6 Working on mobile responsive using media queries

14. Design Your Project Without PSD

- 14.1 Understanding the principles of designing aesthetics
- 14.2 Importance of typography
- 14.3 Importance of images and color scheme
- 14.4 Setting up your layout
- 14.5 Finishing up your website

15. Migrating WordPress Website

- 15.1 Exporting Database and Files
- 15.2 Importing Database and Files
- 15.3 Best practices after site live

16. Website Optimization and Security

- 16.1 Best practices for optimizing the media files of your website
- 16.2 Selecting and using the cache plugins for your website
- 16.3 Best practices for keeping the website secure



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