

WEBSITE DESIGNING & DEVELOPMENT

MODULE 1 – INTRODUCTION TO THE COURSE

MODULE 2 – PHOTOSHOP

- Screen Technology basics
- Image formats
- Photoshop workspace
- Photoshop Tools
- Layers
- Blending Options
- Layer modes
- Export graphics

MODULE 3 – HTML

- **INTRODUCTION TO HTML**
 - HTML Basics
 - Note about Introduction to MDN
 - Introduction to MDN
 - HTML Boilerplate and Comments
 - Basic Tags
 - HTML Lists
 - Div and Span
 - HTML Attributes
- **INTERMEDIATE HTML**
 - HTML Tables
 - Introduction to Forms
 - Playing with Inputs
 - The Form Tag
 - Labels
 - Form Validations
 - Dropdowns and Radio Buttons
 - Form Exercise
- **STARTING WITH HTML 5**
 - Header
 - Navigation
 - Section
 - Articles
 - Footer
 - Aside

- Audio and Source tags
- Video and Source tags
- Canvas
- SVG

MODULE 4 – CSS

- **INTRODUCTION TO CSS**
 - Unit Objectives
 - CSS Basics
 - Our First Stylesheet
 - CSS Colors
 - Background and Border
 - Introduction to Chrome Inspector
 - Selectors Basics
 - More Advanced Selectors
 - Selectors Practice Exercise
- **ADVANCE CSS**
 - Combinators
 - Pseudo Classes
 - Pseudo Element
 - 2D transform
 - 3D transform
 - Transitions
 - Animation
 - Flex Box
 - Media Queries

MODULE 5 – BOOTSTRAP 4

- What Is Bootstrap & Why Use It?
- What's New In Bootstrap 4?
- Initial Environment Setup
- Grid System
- Grid Alignment
- Flexbox Classes
- Auto Margin, Wrap & Ordering
- Headings & Basic Typography
- Text Alignment & Display
- Floats & Fixed Positions
- Colors & Background
- Margin & Padding Spacing
- Sizing & Borders
- CSS Breakpoints
- Buttons & Button Groups
- Navbar & Navs

- List Groups & Badges
- Forms & Input
- Input Groups
- Alerts & Progress Bars
- Tables & Pagination
- Working With Cards
- Media Objects
- Jumbotron
- Carousel Slider
- Collapse & Accordion
- Tooltips
- Popovers
- Modals
- ScrollSpy & Smooth Scrolling

MODULE 6 – WORDPRESS

- Installing WordPress on your own Server
- Installation Requirements for WordPress
- Downloading WordPress to Install Yourself
- Installing WordPress on Your Web Host Yourself
- Setting Your Directory Permissions
- Getting Around Wordpress
- Becoming Familiar with the Dashboard
- Posts, Pages, Tags, Media, and More: Content Administration
- Tapping into the Core Settings for Your Blog
- Other Settings
- Configuring WordPress to Work Best
- Choosing the Right Settings for Your Blog
- Moderating Comments and Comment Spam
- Managing Additional Authors on Your Blog
- Caching and Other Tune-Ups
- Organizing The Content on your Blog
- Understanding Posts Versus Pages
- Organize Your Posts with Categories
- Connect Your Posts Together with Tags
- Custom Post Types and Custom Taxonomies
- Adding a Blogroll of Links to Your Blog
- Creating and Managing Content with WordPress
- Hands On with the Editors
- Hands on with the New Image Editor in Detail
- Adding Media to Your Blog and Posts
- Finding and Using Plugins
- Finding Plugins
- Installing Plugins Quickly and Easily

- Upgrading Plugins
- Recommended Plugins

All About Themes

- Understanding the Structure of WordPress Themes
- Finding Themes and Choosing the Right One for Your Blog
- Installing Themes on Your Blog
- Configuring Extra Features on Themes
- All About Configuring Widgets
- Editing a Themes to Make it Your Own
- Using Theme Frameworks and Parent-Child Themes
- Theme Best Practices
- WordPress.com Notes

Maintaining WordPress

- Updating and Upgrading WordPress
- Updating Plugins and Themes
- Database Maintenance for WordPress Users
- WP-DBManager

MODULE 7 – JAVASCRIPT

- Introduction to JavaScript
- Javascript Basics: Control Flow
- Javascript Basics: Functions
- Javascript Basics: Arrays
- Javascript Basics: Objects
- DOM Manipulation
- Advanced DOM Manipulation

MODULE 8 – S JSON

- JSON Intro
- JSON Syntax
- JSON Data Types
- JSON Parse
- JSON Stringify
- JSON Objects
- JSON Arrays

MODULE 9 – AJAX

- AJAX Intro
- AJAX XMLHttpRequest
- AJAX Request
- AJAX Response
- AJAX PHP
- AJAX Database
- AJAX Examples

MODULE 10 – JQUERY

- Intro to jQuery
- jQuery Hide/Show
- jQuery Fade
- jQuery Slide
- jQuery Animate
- jQuery stop()
- jQuery Callback
- jQuery Chaining
- jQuery Get
- jQuery Set
- jQuery Add
- jQuery Remove
- jQuery CSS Classes
- jQuery css()
- jQuery Dimensions

MODULE 11 – PHP

- PHP Intro
- PHP Install
- PHP Syntax
- PHP Variables
- PHP Echo / Print
- PHP Data Types
- PHP Strings
- PHP Constants
- PHP Operators
- PHP If...Else...Elseif
- PHP Switch
- PHP While Loops
- PHP For Loops
- PHP Functions
- PHP Arrays

- PHP Sorting Arrays
- PHP Superglobals
- **PHP Forms**
- PHP Form Handling
- PHP Form Validation
- PHP Form Required
- PHP Form URL/E-mail
- PHP Form Complete
- **PHP Advanced**
- PHP Arrays Multi
- PHP Date and Time
- PHP Include
- PHP File Handling
- PHP File Open/Read
- PHP File Create/Write
- PHP File Upload
- PHP Cookies
- PHP Sessions
- PHP Filters
- PHP Filters Advanced
- PHP Error Handling
- PHP Exception

MODULE 11 – MYSQL DATABASE

- MySQL Connect
- MySQL Create DB
- MySQL Create Table
- MySQL Insert Data
- MySQL Get Last ID
- MySQL Insert Multiple
- MySQL Prepared
- MySQL Select Data
- MySQL Delete Data
- MySQL Update Data
- MySQL Limit Data

MODULE 12 – CODE IGNITER

- What is CodeIgniter
- CodeIgniter License
- CodeIgniter versions
- CodeIgniter Feature
- CodeIgniter Installation
- CodeIgniter File System

- CodeIgniter Architecture
- CodeIgniter MVC
- Models
- Views
- Controller
- CodeIgniter First Example
- CodeIgniter URL
- CodeIgniter Create a site
- CodeIgniter Methods
- CodeIgniter Helper
- CodeIgniter Library
- CodeIgniter URL Routing
- CodeIgniter Hooks
- CI Passing Parameters
- CodeIgniter Driver
- CodeIgniter Database
- CI Database Insert
- CI Database select
- CI Login Form
- CI Database Login Form
- CodeIgniter Security
- CI Security Class
- CI CSRF

MODULE 13 – HOSTING AND DEPLOYMENT

- What is Hosting
 - What is Domain
 - How to choose proper host
 - Domain Booking
 - Propagating domain to hosting
 - Setting up hosting
 - Uploading files to host
 - Creating Database
 - Creating Email
 - Backup
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First Floor Kanchwala Avenue,
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Maharashtra 422005.

