

**Course Name** : PRACTICAL HTML & CSS  
**Duration** : 3 Days (Physical Classroom / Virtual Live Instructor)  
**Skill Level** : Beginner

#### **COURSE DESCRIPTION:**

HTML serves as the cornerstone for all web pages on the internet, defining the structure of the page, while CSS determines its aesthetic. This course provides a comprehensive introduction to HTML5 and CSS3, enabling participants to create stunning websites. Emphasizing a hands-on, project-based approach, the course provides immediate opportunities for participants to apply their newfound knowledge and hone their skills.

#### **WHAT WILL YOU LEARN?**

In this Practical HTML & CSS Course, the candidates will learn,

- The fundamentals of HTML and its latest version (HTML5)
- The basics of CSS and its latest version (CSS3)
- How to structure and style web pages using HTML and CSS
- Best practices for HTML and CSS coding
- How to create and implement various design elements using HTML and CSS
- Basic website design concepts and techniques
- How to debug and troubleshoot HTML and CSS issues.
- Modern CSS libraries and frameworks
- Publish the fully functional website into Github pages.

#### **PREREQUISITE:**

Beginners.

#### **METHODOLOGY:**

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises. This course can be conducted as instructor-led (ILT) or virtual instructor-led training (VILT).

#### **JOB SCOPE:**

Upon completion of this course, candidates may pursue the following career paths:

- Web Developer
- Front-End Developer
- UI/UX Designer
- Web Designer
- Webmaster
- Graphic Designer with Web Design skills
- Web Content Creator
- E-commerce Web Designer
- Website Administrator
- Web Marketing Professional.

## DAY 1

### **MODULE 1: INTRODUCTION**

- Welcome
- History of Web
- Introduction HTML and CSS
- Setup the Development Environment

### **MODULE 2: HTML & CSS FOUNDATIONS**

- Introduction
- What are HTML and CSS?
- Basic Terminology and Syntax
- Let us write some HTML!
- strong emphasis
- File naming and organization
- Anchors and Attributes
- Intro to CSS
- CSS Basics
- Lists & Images
- Internal CSS
- External CSS
- Classes and IDs
- Comments in HTML and CSS
- The only tags you need to know
- Intro to the box model
- Margin and Padding
- Borders
- Box model wrap up
- A basic layout
- A basic layout - centering an element on the page
- Creating columns with flexbox
- Creating the layout from scratch - the HTML
- Creating the Layout - The CSS

## DAY 2

### **MODULE 3: PROJECT: GOOGLE.COM CLONE**

- Write your first lines of CSS!
- Link to the CSS file
- Set the width of the elements
- inline vs block elements
- Margin top
- Divs rule the world
- CSS classes
- Aside: Learn margins via flags
- Add space between our elements

- Aside: centering with margins
- Centering our content
- Aside: padding
- Aside: border and border-radius
- Fix the input field
- Center the button
- Style the button
- Why we can't have two block-level buttons
- Aside: flexbox
- Centering both buttons with flexbox
- Google clone recap

### DAY 3

#### **MODULE 4: CSS LIBRARIES - BOOTSTRAP & TAILWIND CSS**

- Responsive design
- Grid and Flexbox layout
- Typography and text styling
- UI components (navbar, cards, buttons, etc.)
- Utilities (spacing, display, background, etc.)
- Customization and theme creation
- Accessibility and HTML/CSS best practices
- Integrating with JavaScript frameworks (React, Vue, etc.)
- Advanced CSS features (CSS animations, transitions, etc.)
- Debugging and troubleshooting

#### **MODULE 5: APUT A WEBSITE ON THE GITHUB PAGES**

- Introduction
- Upload our code to GitHub
- How GitHub Pages works
- Add an index.html
- Set up a domain name
- Get a new domain name
- How the Internet Works
- Set up DNS A Records
- Find the IP addresses of GitHub Pages
- Set up www subdomain with CNAME Record
- Link our domain name in GitHub Pages
- Set up HTTPS for free in GitHub Pages

#### **CONCLUSION**

- QA
- Useful References and Books
- Feedback