

# HTML Course Contents

**Course Duration: One Month**

## **1. Introduction to HTML**

- What is HTML?
- History and evolution of HTML
- How HTML fits into web development (HTML, CSS, JavaScript)
- Setting up your environment (text editors, browsers)

## **2. Basic HTML Structure**

- Understanding the DOCTYPE declaration
- HTML document structure (<html>, <head>, <body>)
- Basic tags (<title>, <meta>, <link>, <script>)
- Creating your first HTML page

## **3. Text Formatting Tags**

- Headings (<h1> to <h6>)
- Paragraphs (<p>)
- Line breaks and horizontal rules (<br>, <hr>)
- Bold, italic, underline (<b>, <strong>, <i>, <em>, <u>)
- Blockquotes and citations (<blockquote>, <cite>)

## **4. Lists**

- Ordered lists (<ol>)
- Unordered lists (<ul>)
- Definition lists (<dl>, <dt>, <dd>)

## **5. Links and Anchors**

- Creating hyperlinks (<a>)
- Absolute vs relative URLs

- Opening links in new tabs
- Linking to email addresses and phone numbers

## **6. Images and Multimedia**

- Adding images (<img>)
- Image attributes (src, alt, width, height)
- Audio and video embedding (<audio>, <video>)
- Using iframes for embedding content

## **7. Tables**

- Creating tables (<table>)
- Table rows, headers, and data (<tr>, <th>, <td>)
- Table captions and summaries
- Styling tables

## **8. Forms and Input Elements**

- Form basics (<form>)
- Input types (text, password, email, number, checkbox, radio, etc.)
- Labels and fieldsets (<label>, <fieldset>, <legend>)
- Text areas and dropdowns (<textarea>, <select>, <option>)
- Form validation basics (required, pattern attributes)

## **9. Semantic HTML**

- Understanding semantic elements (<header>, <footer>, <article>, <section>, <nav>, <aside>, <main>)
- Importance of semantics for SEO and accessibility

## **10. HTML5 New Features**

- New input types and attributes
- Audio and video improvements
- Canvas element for graphics

- Drag and drop basics
- Web storage basics (localStorage, sessionStorage)

### **11. Accessibility and Best Practices**

- Using alt text properly
- ARIA roles and attributes
- Keyboard navigation basics
- Writing clean and valid HTML

### **12. Project: Building a Simple Website**

- Planning the layout
- Creating pages with navigation
- Adding images and links
- Forms for contact or feedback