



## HTML & CSS TRAINING MODULE

## HTML TRAINING MODULE

The HTML training module gives you the basics of web development, design webpages using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). Throughout the course you are introduced to planning and designing effective web pages; implementing web pages by writing HTML and CSS code; enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website.

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### VERSION

JAVA 8

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### LEARNING OBJECTIVES

- Introduction to different types of Client Server Architecture.
- Under Web Server functionality
- HTTP Protocol and Request Methods
- Understand and use various HTML web page elements
- Incorporate forms into web pages
- Enhance web pages using graphics, images and multimedia.
- Understand and apply CSS to format web page elements.

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### PREREQUISITES SKILLS

- Computer Science fundamentals.
  - Basic knowledge of Internet and using a web browser such as Chrome, Firefox, Internet Explorer etc.
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**COURSE AGENDA****Chapter 1. Client Server Architecture**

Overview	This chapter introduces different types of Client Server Architecture and guide you through how a client communicates with a server. You'll learn about HTTP's request and response cycle, dig into HTTP headers and verbs
Learning Objectives	After completing this unit, you should be able to: <ul style="list-style-type: none"><li>• Explain different types of Client Server Architecture</li><li>• Explain what a Web Server is</li><li>• Explain HTTP Protocol, request methods and headers.</li></ul>

**Chapter 2. HTML and CSS**

Overview	This chapter gives you an overview and hands-on experience in creating webpages using HTML and CSS.
Learning Objectives	After completing this unit, you should be able to: <ul style="list-style-type: none"><li>• Recognize and understand HTML web page elements</li><li>• Know how to write HTML code</li><li>• Understand and apply effective web design principles</li><li>• Enhance web pages using text formatting, color, graphics, images, and multimedia</li><li>• Incorporate forms into web pages</li><li>• Understand and apply CSS to format web page elements</li></ul>

### Chapter 3. New in HTML5

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Overview	This chapter gives you an overview on the new structural and form features of HTML5.
Learning Objectives	After completing this unit, you should be able to: <ul style="list-style-type: none"><li>• List new elements in HTML5</li><li>• Describe HTML5 structural elements - section, article, header, footer, figure, and figure caption</li><li>• Describe the attributes of the HTML5 input element – tel, email, datetime, number, range, and color</li></ul>

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