

# **WEB FUNDAMENTALS AND UI/UX DESIGN**

## **UNIT 1: HYPERTEXT MARKUP LANGUAGE (HTML), TABLES AND FORMS**

Understand the basic principles and concepts of the Internet, Introduction to HTML, HTML Syntax, Semantic Markup, Structure of HTML Documents, Quick Tour of HTML Elements, HTML Tables and Forms.

## **UNIT 2: CASCADING STYLE SHEETS (CSS)**

What is CSS, CSS Syntax, Location of Styles, CSS Rules, Universal Selector, Class Selectors, ID Selectors, CSS Text Styling, Styling Tables.

## **UNIT 3: CSS, Links and Images:**

The Cascade: How Styles Interact, The Box Model, CSS for Links, Bitmap Image Formats: GIF, JPEG, PNG, img Element, Responsive Images, Positioning Images. Understand Layout to Style: CSS Layouts, CSS Specificity, CSS Units.

## **UNIT 4: Javascript, Functions, DOM, Forms, and Event Handlers:**

History of Javascript, Variables, Identifiers, Assignment Statements, Functions, Document Object Model, Forms, event handling, process JSON data to HTML table.

## **UNIT 5: Introduction To Bootstrap, UI/UX**