

Course Name: Front End Web development

Duration in Hrs: 50 Hrs

Sub-Topics	Departments	Tools	Learning Objectives	Relevance in the industry
<p>Introduction to Web Development (6 hours)</p> <p>How the Web Works</p> <p>Overview of how browsers and servers interact</p> <p>Basics of HTTP and HTTPS</p> <p>What is Web Development</p> <p>Various tools, technologies and frameworks used in Web Development</p> <p>Overview of frontend vs backend development</p> <p>Setting Up a Simple Webpage</p> <p>Creating a basic HTML file</p> <p>Overview of browser developer tools</p> <p>Introduction to Git and Version Control</p> <p>HTML Basics (18 hours)</p> <p>HTML Document Structure</p> <p>Tags, attributes, and elements</p> <p>Creating headings, paragraphs, and lists</p> <p>Forms and Input</p> <p>Building a form with input fields, radio buttons, and checkboxes</p>	B.sc/BCA, MCA	HTML/CSS/JavaScript	<p>Build static websites using HTML and CSS.</p> <p>Create responsive designs using CSS (Flexbox).</p> <p>Gain basic exposure to JavaScript for simple web interactivity.</p>	<p>Front-end web development is fundamental for creating user interfaces in software and web applications. Skills in HTML, CSS, and JavaScript are in high demand.</p>

<p>Submitting forms and understanding form validation</p> <p>Tables and Multimedia Elements</p> <p>Creating tables with rows, columns, and headers</p> <p>Embedding images, audio, and video</p> <p>CSS for Styling (18 hours)</p> <p>Introduction to CSS</p> <p>Linking external stylesheets and using inline styles</p> <p>Basic CSS properties: colors, fonts, and borders</p> <p>CSS Layouts</p> <p>Using Flexbox for responsive layouts</p> <p>Creating navigation bars and sidebars</p> <p>Styling Forms and Tables</p> <p>Applying CSS to form elements</p> <p>Styling table rows, columns, and headers</p> <p>Responsive Design Basics</p> <p>Using media queries to create responsive websites</p> <p>Introduction to mobile-first design</p> <p>Introduction to JavaScript (8 hours)</p> <p>Basic JavaScript Concepts</p> <p>Adding simple interactivity to web pages</p> <p>Introduction to DOM manipulation</p> <p>Simple form validation using JavaScript</p>				
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