



The Web Development course is designed to help students develop professional websites/portals. This course will help students understand how the web engine works. Through this course, students will be made comfortable with Javascript for both Frontend as well as backend use-cases.

























Beginners

Sessions - 12

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|  Day 1 |  1 Hour |
| ✓ Scope of Website Development, Introduction to HTML, Style and Script Tag and its Writing Standards, Elements, Nesting Elements, Block Versus Inline Elements, Empty Elements; Attributes, Boolean Attributes, Single or Double Quotes; | |
|  Day 2 |  1 Hour |
| ✓ Title, Metadata, Character Encoding, Description, Adding CSS and JavaScript to the Page, Document Language | |
|  Day 3 |  1 Hour |
| ✓ Structure in Web Pages. Headings and Paragraphs, Lists: Unordered, Ordered, (they don't cover description lists), Nested Lists, Emphasis and Importance, But Not Style | |
|  Day 4 |  1 Hour |
| ✓ Anatomy of a Link, the title Attribute, Block Level Links. URLs and Paths, Block Fragments and ids, Absolute and Relative URLs. Link Best Practices, Download Attribute, email Links. | |
|  Day 5 |  1 Hour |
| ✓ Description Lists, Blockquotes, Inline Quotations, Citations, Abbreviations, Address, Super/Sub-script, Computer Code Markup, Times and Dates. | |
|  Day 6 |  1 Hour |
| ✓ HTML Entities, Official Reference, Wikipedia on Unicode, Guide to Using Special Characters in HTML Unicode Emoji, HTML Escaping in Javascript | |
|  Day 7 |  1 Hour |
| ✓ Basic Sections of a Web Page. Structuring a Page. <main>, <article>, <section>, <aside>, <header>, <nav>, <footer>. Non-semantic Wrappers: , <div>. | |
|  Day 8 |  1 Hour |
| ✓ Revise and Creating a Basic Website, Your first forum. Basics of the <form> Element, Action, and Submit Button. How to Structure a Form? How to Use Fieldsets, Legends, Labels, and Such? | |
|  Day 9 |  1 Hour |
| ✓ Images in HTML, Video and Audio Content | |
|  Day 10 |  1 Hour |
| ✓ Other Embedding Techniques | |
|  Day 11 |  1 Hour |
| ✓ Styling Text | |
|  Day 12 |  1 Hour |
| ✓ The Website Project Continued | |

























Intermediate

Sessions - 12

-  Day 1  1 Hour
✓ Introduction to CSS and Sass
-  Day 2  1 Hour
✓ CSS Setup and Selectors , CSS Visual Rules
-  Day 3  1 Hour
✓ Mini Project Using CSS
-  Day 4  1 Hour
✓ CSS Display and Positioning
-  Day 5  1 Hour
✓ CSS Color
-  Day 6  1 Hour
✓ CSS Typography
-  Day 7  1 Hour
✓ CSS Grid Elements Advanced CSS Grid
-  Day 8  1 Hour
✓ Animations - Transitions
-  Day 9  1 Hour
✓ SASS Installation its Variables and Nesting
-  Day 10  1 Hour
✓ SASS Importing and Functions
-  Day 11  1 Hour
✓ Mini Project
-  Day 12  1 Hour
✓ Project

Advanced

Sessions - 12

-  Day 1  1 Hour
✓ Introduction to JavaScript
-  Day 2  1 Hour
✓ ECMA Script 6 Syntax and Standards
Function Closures and IIFEs
-  Day 3  1 Hour
✓ Classes, Constructors and Prototypes
Lexical Scopes, Arrow Functions and
Variable Spreading
-  Day 4  1 Hour
✓ Function Closures and IIFEs
-  Day 5  1 Hour
✓ Node JS Modules
-  Day 6  1 Hour
✓ File system API, Events and Streams
-  Day 7  1 Hour
✓ Express JS Framework for Creating REST APIs
-  Day 8  1 Hour
✓ Handlebars for Server-Side Web Rendering
-  Day 9  1 Hour
✓ Socket.IO for Real time Communication
-  Day 10  1 Hour
✓ Databases (MongoDB, MySQL)
-  Day 11  1 Hour
✓ Using ORMs Like Sequelize
-  Day 12  1 Hour
✓ Project