

FRONTEND COURSE SYLLABUS

MODULE1 - 2WEEKS

HTML

HTML stands for Hyper Text Markup Language. **HTML** is the standard markup language for creating Web pages. **HTML** describes the structure of a Web page. **HTML** consists of a series of elements. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

➤ Pre-requisite / Target Audience: Any beginner who wants to build a career as a Frontend Developer.

WEEK1: In this module, you will learn basic introduction to web development. Getting you used to important concepts and syntax, looking at applying HTML to text, how to create hyperlinks.

- Web Introduction.
- HTML Element and Tags.
- HTML Attributes.
- HTML Styles.
- Text Formatting, Quotation and Citation Elements.
- HTML Styles CSS.
- HTML Links.

WEEK2: In this module, you will learn the fundamental technology used to define the structure of a webpage, how to use HTML to structure a webpage.

- HTML Tables.
- HTML List.
- Block and Inline Element.
- Class and Id Attribute.
- Forms and Form Element.
- HTML Media.

MODULE OBJECTIVES

- HTML is highly flexible and supported on all browsers.
- User friendly and an open technology.
- It gives better performance of your webpage.

MODULE2 - 3WEEKS

CSS

CSS stands for Cascading Style Sheets. It is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. **CSS** is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

WEEK1: In this module CSS is used to style and lay out web pages -for example, to alter the font, color, size and spacing of your content, split it into multiple columns, or add animations and other decorative features. This module gets you started on the path to CSS.

- CSS Introduction, Script and Syntax.
- How to use a style sheet.
- Colors.
- CSS property.
 - i) Positioning.
 - ii) Borders.
 - iii) Backgrounds.
 - iv) Margin.
 - v) Padding.

WEEK2: In this module you will learn basic in CSS property. This module gets you started on the path to CSS.

- CSS property.
 - i) Height and weight.
 - ii) Outline.
 - iii) Text.
 - iv) Fonts.
 - v) Box-Sizing.
 - vi) Layout.
- CSS Transformation.
- CSS Transition.
- CSS Animation

WEEK3:

- CSS Flexbox.
- Media Query.
- Project

MODULE OBJECTIVES

- CSS provides powerful control over the presentation of an HTML document.

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- CSS saves many times as it can be reused in many HTML pages.
- CSS can be used to make responsive web pages, which are compatible on multiple devices.

MODULE3 - 2WEEKS

BOOTSTRAP

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

WEEK1: In this module you will learn how to use BOOTSTRAP to build fast and responsive sites.

- Bootstrap Introduction.
- Bootstrap Grid.
- Bootstrap Tables and images.
- Bootstrap Alerts and button.

WEEK2: In this module you will learn how to use BOOTSTRAP to build fast and responsive sites.

- Bootstrap JS Alert.
- Bootstrap JS button.
- Bootstrap JS Carousel.
- Bootstrap JS Dropdown.
- Bootstrap JS Modal.

MODULE OBJECTIVES

- Build fast and responsive sites.

MODULE4 - 1WEEKS

SASS

SASS is a preprocessor scripting language that is interpreted or compiled into Cascading Style Sheets.

WEEK1: In this module you will learn how to use BOOTSTRAP to build fast and responsive sites.

- Introduction to SASS.
- SASS Variables.

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- SASS Nesting.
- SASS @ Import.
- SASS @ Mixin.
- SASS @ Extend.
- Color.
- Project

MODULE5 - 4WEEKS

JAVASCRIPT

JAVASCRIPT, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm.

WEEK1: In this module you will learn how to use JAVASCRIPT to build interactive website.

- JS Introduction.
- JS Variable, Operators and Arithmetic.
- JS Data types.
- JS Function.
- JS Object and Scope.

WEEK2: In this module you will learn how to use JAVASCRIPT to build interactive website.

- JS Event.
- JS String and String Methods.
- JS Number.
- JS Date and Date Methods.
- JS Array and Array Methods

WEEK3: In this module you will learn how to use JAVASCRIPT to build interactive website.

- Array Sorting.
- JS Comparison.
- JS If else statement, switch statement.
- JS For Loop, While Loop.
- Break and Continue.
- Code Debugging.

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WEEK4: In this module you will learn how to use JAVASCRIPT to build interactive website.

- HTML DOM
- Project.

MODULE OBJECTIVES

- JavaScript has brought user interface interactivity to the web.
- JavaScript is behind any good responsive web design.
- For developers, JS is easy to learn and fast to get into active development.