

JAVA SCRIPT CERTIFICATION Course Agenda



Course Outline

Program Overview

Our intensive training program is crafted to equip participants with a comprehensive understanding of JavaScript, one of the most versatile and widely-used programming languages. Covering fundamental concepts and advanced techniques, this course enables participants to build robust web applications and enhance their proficiency in JavaScript development.

Prerequisites

Participants are expected to have a basic understanding of HTML and CSS. Familiarity with programming concepts will be beneficial but is not mandatory for beginners.

Target Audience:

- Web Developers
- Frontend Developers
- Full Stack Developers
- UI/UX Designers
- Software Engineers
- Students and Enthusiasts
- Anyone looking to enhance their skills in JavaScript programming.

Key Learning Outcomes:

- Mastering the fundamentals of JavaScript syntax and programming constructs.
- Understanding DOM manipulation for dynamic web content.
- Implementing asynchronous programming with promises and async/await.
- Creating interactive and responsive user interfaces.
- Managing data with JavaScript arrays and objects.
- Developing modular and scalable code using functions and closures.
- Handling errors and debugging in JavaScript applications.
- Exploring modern JavaScript features and ECMAScript updates.

Skills You Will Acquire

- JavaScript syntax and programming fundamentals.
- DOM manipulation and event handling.
- Asynchronous programming with promises and async/await.
- Frontend development using JavaScript.
- Building interactive user interfaces.
- Data manipulation with arrays and objects.
- Modular and scalable code development.
- Error handling and debugging techniques.

Course Agenda

Module 1 - Introduction To JavaScript

- Introduction To JavaScript
- Script Tags
- Boxes
- Console
- Variables
- Undefined, type of, NaN
- Concatenation

Module 2 - Operators

- Comparison Operators
- Logical Operators
- Mathematical Operators
- Commenting

Module 3 - Arrays

- Arrays
- Array Prototype
- Looping Over Arrays
- Introduction To Objects
- Creating An Object
- Dates And Times
- Intervals
- Countdown (Example Application)
- Callbacks
- Callback In Countdown

Module 4 - Working With JavaScript Elements

- Dom Elements
- Query Selector
- Event Handlers
- Input Fields
- Creating Elements
- Styling Elements

Module 5 - Bonus JavaScript Tips

- Linting
- Minification
- Fundamentals Of jQuery
- Attributes
- jQuery.Ajax
- Fundamentals Of Ajax Development

Sprintzeal's JavaScript Certification Training Program

Sprintzeal's JavaScript Certification Training Program is designed to cater to both beginners and experienced developers. With hands-on exercises and real-world projects, participants gain practical experience in JavaScript development. Our expert instructors guide participants through the nuances of the language, ensuring a comprehensive and engaging learning experience.