TechyEdz Solutions

Training | Consulting | Developement | Outsourcing

Javascript

Javascript Certification Training

✚ Course Overview:

JavaScript Development Suite is a comprehensive training program that equips candidates with an exhaustive grounding of Ajax development fundamentals, JavaScript fundamentals, advanced JavaScript and fundamentals of jQuery. IT organizations across the globe seek competent professionals who are trained in JavaScript. JavaScript is dynamic programming language, which is multiparadigm and supports object-oriented, functional and imperative programming styles. It is basically a client-side scripting language that is used in creating interactive effects among the web browsers.

✚ Course Outline:

Part I: Getting Started with JavaScript

Writing Your First JavaScript Program

- ➢ Introducing Programming
- ➢ How to Add JavaScript to a Page
- ➢ Your First JavaScript Program
- ➢ Writing Text on a Web Page
- ➢ Attaching an External JavaScript File
- ➢ Tracking Down Errors

The Grammar of JavaScript

- ➢ Statements
- ➢ Commands
- ➢ Types of Data
- ➢ Variables
- ➢ Working with Data Types and Variables
- ➢ Tutorial: Using Variables to Create Messages

- ➢ Tutorial: Asking for Information
- ➢ Arrays
- ➢ Tutorial: Writing to a Web Page Using Arrays
- ➢ Comments

Adding Logic and Control to Your Programs

- ➢ Making Programs React Intelligently
- ➢ Tutorial: Using Conditional Statements
- ➢ Handling Repetitive Tasks with Loops
- ➢ Functions: Turn Useful Code Into Reusable Commands

Working with Words, Numbers, and Dates

- ➢ A Quick Object Lesson
- ➢ Strings
- ➢ Finding Patterns in Strings
- ➢ Numbers
- ➢ Dates and Times
- ➢ Tutorial

Dynamically Modifying Web Pages

- ➢ Modifying Web Pages: An Overview
- ➢ Understanding the Document Object Model
- ➢ Introducing JavaScript Libraries
- ➢ Selecting Page Elements (Revisited)
- ➢ Adding Content to a Page
- ➢ Setting and Reading Tag Attributes
- ➢ Reading, Setting, and Removing HTML Attributes
- ➢ Creative Headlines
- ➢ Acting on Each Element in a Selection
- ➢ Automatic Pull Quotes

Action/Reaction: Making Pages Come Alive with Events

- ➢ What Are Events?
- ➢ Using Events with Functions
- ➢ Tutorial: Highlighting Table Rows
- ➢ More jQuery Event Concepts
- ➢ Advanced Event Management
- ➢ Tutorial: A One-Page FAQ

Improving Your Images

- ➢ Swapping Images
- ➢ Tutorial: Adding Rollover Images
- ➢ jQuery Effects
- ➢ Tutorial: Photo Gallery with Effects
- ➢ Advanced Gallery with jQuery lightBox
- ➢ Tutorial: lightBox Photo Gallery
- ➢ Animated Slideshows with Cycle
- ➢ Tutorial: An Automated Slideshow

Part II: Building Web Page Features

Improving Navigation

- ➢ Some Link Basics
- ➢ Opening External Links in a New Window
- ➢ Creating New Windows
- ➢ Opening Pages in a Window on the Page
- ➢ Tutorial: Making Bigger Links
- ➢ Animated Navigation Menus

Enhancing Web Forms

- ➢ Understanding Forms
- ➢ Adding Smarts to Your Forms
- ➢ Tutorial: Basic Form Enhancements
- ➢ Form Validation
- ➢ Validation Tutorial

Expanding Your Interface

- ➢ Hiding Information with Accordion Panels
- ➢ Organizing Information in Tabbed Panels
- ➢ Tooltips
- ➢ Creating Sortable Tables

Part III: Ajax: Communicating with the Web Server

Introducing Ajax

- ➢ What Is Ajax?
- ➢ Ajax: The Basics
- ➢ Ajax the jQuery Way
- ➢ JSON

Basic Ajax Programming

- ➢ Tabs Plug-in
- ➢ Adding Google Maps to Your Site

✚ Prerequisites:

- • No coding experience is required. You will start learning from the basics.
- • All you need to get started is a code editor & internet browser.
- • If you know basic html & css that would be bonus otherwise no worries.

❖ Who Can attend:

- Students and professionals who wish to become Java developers
- Software developers
- Web designers
- Engineering graduates

❖ Number of Hours: 40hrs

❖ Certification: Javascript Developer Certificate

❖ Key Features:

- ➢ One to One Training
- ➢ Online Training
- ➢ Fastrack & Normal Track
- ➢ Resume Modification
- ➢ Mock Interviews
- ➢ Video Tutorials
- ➢ Materials
- ➢ Real Time Projects
- ➢ Virtual Live Experience
- ➢ Preparing for Certification