



## 8. Web & Graphic Design

### 8.7 Javascript

**Duration:** 30 Lectures

#### **Course Content:**

##### **1. Introduction**

- 1.1. Writing Your First JavaScript Program
- 1.2. Introducing Programming
- 1.3. How to Add JavaScript to a Page
- 1.4. Your First JavaScript Program
- 1.5. Writing Text on a Web Page
- 1.6. Attaching an External JavaScript File
- 1.7. Tracking Down Errors

##### **2. The Grammar of JavaScript**

- 2.1. Statements
- 2.2. Commands
- 2.3. Types of Data
- 2.4. Variables
- 2.5. Working with Data Types and Variables
- 2.6. Tutorial: Using Variables to Create Messages
- 2.7. Tutorial: Asking for Information
- 2.8. Arrays
- 2.9. Tutorial: Writing to a Web Page Using Arrays
- 2.10. Comments

##### **3. Adding Logic and Control to Your Programs**

- 3.1. Making Programs React Intelligently
- 3.2. Tutorial: Using Conditional Statements
- 3.3. Handling Repetitive Tasks with Loops



3.4. Functions: Turn Useful Code Into Reusable Commands

3.5. Tutorial: A Simple Quiz

## 4. Working with Words, Numbers, and Dates

4.1. A Quick Object Lesson

4.2. Strings

4.3. Finding Patterns in Strings

4.4. Numbers

4.5. Dates and Times

4.6. Tutorial

## 5. Dynamically Modifying Web Pages

5.1. Modifying Web Pages: An Overview

5.2. Understanding the Document Object Model

5.3. Introducing JavaScript Libraries

5.4. Selecting Page Elements (Revisited)

5.5. Adding Content to a Page

5.6. Setting and Reading Tag Attributes

5.7. Reading, Setting, and Removing HTML Attributes

5.8. Creative Headlines

5.9. Acting on Each Element in a Selection

5.10. Automatic Pull Quotes

## 6. Action/Reaction: Making Pages Come Alive with Events

6.1. What Are Events?

6.2. Using Events with Functions

6.3. Tutorial: Highlighting Table Rows

6.4. More JQuery Event Concepts

6.5. Advanced Event Management

6.6. Tutorial: A One-Page FAQ

iFLAME INSTITUTE PVT. LTD.



## 7. Improving Your Images

- 7.1. Swapping Images
- 7.2. Tutorial: Adding Rollover Images
- 7.3. JQuery Effects
- 7.4. Tutorial: Photo Gallery with Effects
- 7.5. Advanced Gallery with JQuery Light Box
- 7.6. Tutorial: Light Box Photo Gallery
- 7.7. Animated Slideshows with Cycle
- 7.8. Tutorial: An Automated Slideshow

## 8. Improving Navigation

- 8.1. Some Link Basics
- 8.2. Opening External Links in a New Window
- 8.3. Creating New Windows
- 8.4. Opening Pages in a Window on the Page
- 8.5. Tutorial: Making Bigger Links
- 8.6. Animated Navigation Menus

## 9. Enhancing Web Forms

- 9.1. Understanding Forms
- 9.2. Adding Smarts to Your Forms
- 9.3. Tutorial: Basic Form Enhancements
- 9.4. Form Validation
- 9.5. Validation Tutorial

## 10. Expanding Your Interface

- 10.1. Hiding Information with Accordion Panels
- 10.2. Organizing Information in Tabbed Panels
- 10.3. Tooltips
- 10.4. Creating Sortable Tables

iFLAME INSTITUTE PVT. LTD.



## 11. Introducing Ajax

- 11.1. What Is Ajax?
- 11.2. Ajax: The Basics
- 11.3. Ajax the JQuery Way
- 11.4. JSON
- 11.5. Basic Ajax Programming
- 11.6. Tabs Plug-in
- 11.7. Adding Google Maps to Your Site
- 11.8. View outline in Word

iFLAME INSTITUTE PVT. LTD.