

ZENUS INFOTECH INDIA PVT. LTD.

CURRICULUM OF JAVA SCRIPT

Course Duration: 4/6 Weeks*

Overview of Java Script

- Where does Java Script Fit in?
- Comparing Products
- Comparing Java Script to Java
- The Purpose of Java Script
- Prerequisites

Building a Java Script Program

- Using Java Script in an HTML Document
- Hiding Java Script from old Web Browsers

Reviewing HTML

- Text Formatting & Layout
- Hypertext Links & Anchors
- Tables
- Forms
- Frames

Basic Syntax Used in Java Script Commands

- Basic Commands

Variables

- Overview of Variables
- Assigning Values to Variables
- Concatenating String Variables

Functions

- Creating & Calling Function
- Sending Parameters to a Function
- Receiving Parameters out of a function
- Variable scope & Lifetime
- Functions Called by Events

Flow Control Structures

- If Structure
- If Else Structure
- For Loop
- While Loop
- For/in Structure

Operators

- Unary Operators
- Numeric Operators
- Logical Operators

String Processing

- Length
- Converting to all Upper or Lower Case
- Index of
- Last Index of
- Char At
- Substr.

Objects

- Standard Java Script Functions
- Creating an Object
- Adding Functions to an Object
- Multiple Instances of an Object type

History Object

- Accessing the History Object
- Creating Buttons
- History.Go Method

Date Object

- Creating a Date Object
- Setting the Date & Time by a Single String
- Separating Variables with Commas
- Displaying the Date & Time
- Time Zones
- Extracting the Date
- Extracting the Hrs
- Set Date Method
- Set Time
- Non-Data Object Functions

Using Objects like Arrays

- Creating an Array
- For Loop

Events

- Time Status
- Buttons

Location Objects

- Loading a Web Page from the Clients Hard Drive
- Receiving a Document off the Web Server
- Anchors & Hypertext Links
- Tracking the on Click Event

Form Objects

- Button Objects
- Text Objects
- Text Area Objects
- Hidden Objects
- Check Box Objects
- Radio Button Objects
- Selecting Objects
- On Change Events

HTTP Cookies

- The Cookie Property
- Setting the Cookie Property
- GetCookie()
- SetCookie()
- DeleteCookie()
- Scope
- Lifetime

Calendar Application

- Static Calendar

- Dynamic Calendar
- Functions for Up-Dating the Calendar
- Assigning Values to the Dates of the Month

Math Object

- Constants
- Circumference Calculator Application
- Functions

Frames

- Referencing Objects in Other Frame
- Event Calendar

Shopping Cart Application

- Order Entry on the Web
- Looking at the Parent Object
- Creating an Array of Objects
- Ordernow Function
- Order Form

Form Validation

- Trapping Empty Fields
- Finding Invalid Values
- Intercepting the Submit Button

Using Java Applets

- Integrating Java Applets with HTML