Web Basics - JavaScript
Lesson 00:

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People matter, results count.

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Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
19-Sep-2009	2.0	NA	Pradnya Jagtap	Updated to new template. And incorporated new examples.
Apr-2011	3.0	NA	Anu Mitra	Integration updates
Apr-2015	3.1	NA	Rathnajothi P	Revamped according to revised curriculum

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Course Goals and Non Goals

- **Course Goals:**
  - At the end of this course you will be able to:
    - Add interactivity to the static html pages
    - Validate the input data provided by users, on the client side
    - Manipulate style sheets on the fly to give a sophisticated look to any website
    - Offload routine tasks from the server to the client side

- **Course Non Goals:**
  - Server-side scripting not covered.

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Pre-requisites

➢ **Prerequisites for this course are:**
  – Familiarity with Windows, GUI Concept and Web Browser Application
  – HTML
  – Experience of creation of a web page using HTML
  – Object Oriented Programming Concepts

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Intended Audience

➢ **This course is designed for:**
  – Trainee Programmers
  – Software Professionals

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Day Wise Schedule

➢ **Day 1**
- – Lesson 1: Introduction to JavaScript
- – Lesson 2: JavaScript Language
- – Lesson 3: Working with Predefined Core Objects
- – Lesson 4: Working with Arrays
- – Lesson 5: Document Object Model

➢ **Day 2**
- – Lesson 6: Working with Document object
- – Lesson 7: Working with Form object
- – Lesson 8: Working with Regular Expressions

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➢ **Lesson 7: Working with Form Object**
- 7.1. Form properties, Methods & Event handlers
- 7.2. Text-Related Objects
- 7.3. Button Objects
- 7.4. Check Box and Radio Objects
- 7.5. Select Objects
- 7.6. Validate Data and Form Submission

➢ **Lesson 8: Work with Regular Expressions**
- 8.1. Use regular expressions
- 8.2. Search using simple patterns
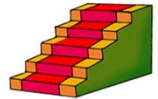- 8.3. Search using special characters
- 8.4. Work with RegExp objects

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References

- ➢ **JavaScript: A Beginner's Guide - by John Pollock**
- ➢ **http://www.w3schools.com/**

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Next Step Courses (if applicable)

➢ **Servlet**
➢ **JSP**

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Other Parallel Technology Areas

➢ **VBScript**

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