

SOUTH GUJARAT UNIVERSITY, SURAT
M.Sc. (Information Technology) Programme
6th Semester Syllabus

Effective From July-2002

Paper No. : 601

Paper Title : Web Development -II

[L:3, T:1]

1. Introduction to JavaScript
2. JavaScript Basics
 - 2.1 Data Types
 - 2.2 Variables
 - 2.3 Array
 - 2.4 Expression
 - 2.5 Functions
 - 2.5.1 Built-in functions
 - 2.5.2 User defined functions
 - 2.6 Flow Control Structures
 - 2.7 Objects
 - 2.7.1 Built-in objects
 - 2.7.2 User defined objects
3. Document Object Model (DOM)
 - 3.1 HTML objects
 - 3.2 Collections
 - 3.3 Elements
 - 3.4 window objects
 - 3.5 document objects
 - 3.6 TextRange objects
4. Event Handling
 - 4.1 Events
 - 4.2 Event firing
 - 4.3 Event handlers
 - 4.4 Binding to events
 - 4.5 The window.event object
 - 4.6 Overriding default events
5. JavaScript and Cookies
 - 5.1 Session Cookies
 - 5.2 Persistent Cookies
6. Java & the Internet
 - 6.1 Brief introduction to Internet.
 - 6.2 An introduction to Java phenomenon.

7. Java Phenomenon

- 7.1 Java & Hot Java
- 7.2 Java Scripts
- 7.3 Features of Java

8. JDK and Use

- 8.1 Java Compiler
- 8.2 Java Interpreter
- 8.3 Java debugger
- 8.4 Applet Viewer
- 8.5 Java Disassembler

9. Java Language

- 9.1 Syntax, Comparative study with other OOP Lang.(C++)

10. Class & Object

- 10.1 Java classes
- 10.2 Java Interfaces

11. Programming the Web with Applets & Scripts

- 11.1 Developing Applets
- 11.2 Integrating Applets into distributed Applications
- 11.3 Working with Java script

Reference Books:

1. HTML 4 - Second Edition - Rick Darnell - Techmedia
2. Netscape JavaScript 1.2 - Kent & Kent - Comdex
3. Using HTML 4,XML and Java 1.2 - PHI
4. Partrick Naughton : Java - The Complete Reference - TMH.
5. C.Thomas : Introduction to Object Oriented Programming With Java - TMH
6. Naughton : The Java Handbook – TMH