

Vidyalankar

S.E. Sem. IV [INFT]
Internet Programming

SYLLABUS

Time : 3 Hrs.

Theory : 100 Marks
Term Work : 25 Marks
Practical : 25 Marks
Oral : 25 Marks

1. Introduction to Web :

History, web system architecture, URL, Domain Name System, overview of HTTP, HTTP request-response, generation of dynamic web pages, cookies.

2. Markup Language HTML :

Introduction, Basic HTML, Formatting and Fonts, Commenting Code, Anchors, Backgrounds, Images, Hyperlinks, Lists, Tables, Frames, Simple HTML Forms, XHTML.

3. Cascading Style Sheet (CSS) :

The need for CSS, Introduction to CSS, Basic syntax and structure, using CSS, manipulating text, padding, lists, positioning using CSS.

4. Java Script and DHTML :

What is JavaScript ? How to develop JavaScript, simple JavaScript, variables, functions, conditions, JavaScript and Objects, JavaScript's own Objects, the DOM and the Web browser Environment, forms and validation.

5. Server Side Programming I :

Introduction to Servlets in Java, Active Server Pages (ASP) : Objects; Queries & forms; Java Server Pages (JSP)

6. Server Side Programming II :

Session Tracking : Introduction, Traditional session tracking techniques, the servlet / ASP session tracking API.

7. Server Side Programming III :

Database Connectivity : Introduction, Relational database systems, JDBC perspectives, JDBC program example.

8. Introduction to Web Extension :

XML, Introducing XSL, XML transformed, XSL elements, transforming with XSLT, XML with CSS, web feeds (RSS), Introduction to web services.

References :

1. Developing Web Applications (*Ralph Moseley, Middlesex University*) Wiley publications.
2. E-Commerce Fundamentals and Applications (*Henry Chan, Raymond Lee, Tharam Dillon*) Wiley publications.
3. Web Applications (*Craig, D. Knuckles, David S. Yuen*) Wiley publications.
4. "HTML Black Book" (*Steven Holzner*) Dreamtech press.
5. "JAVA script for World Wide Web" (*Tom Negrino and Dori Smith*)

