

## SEMESTER VIII

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
1	<a href="#">Web Technology</a>	4	0	0	100
2	Elective IV	4	0	0	100
3	Elective V	4	0	0	100
<b>PRACTICAL</b>					
1	Project Work				

## **SEMESTER VIII**

### **WEB TECHNOLOGY**

#### **AIM**

To highlight the features of different technologies involved in Web Technology and various Scripting Languages.

#### **OBJECTIVES**

Students will get an introduction about various Scripting Languages.  
Students will be provided with an up-to-date survey of developments in. Web Technologies.  
Enable the students to know techniques involved to support real-time Software development.

#### **UNIT I INTRODUCTION 8**

History of the Internet and World Wide Web – HTML 4 protocols – HTTP, SMTP, POP3, MIME, IMAP. Introduction to JAVA Scripts – Object Based Scripting for the web. Structures – Functions – Arrays – Objects.

#### **UNIT II DYNAMIC HTML 9**

Introduction – Object refers, Collectors all and Children. Dynamic style, Dynamic position, frames, navigator, Event Model – On check – On load – Onenor – Mouse rel – Form process – Event Bubbles – Filters – Transport with the Filter – Creating Images – Adding shadows – Creating Gradients – Creating Motion with Blur – Data Binding – Simple Data Binding – Moving with a record set – Sorting table data – Binding of an Image and table.

#### **UNIT III MULTIMEDIA 9**

Audio and video speech synthesis and recognition - Electronic Commerce – E-Business Model – E-Marketing – Online Payments and Security – Web Servers – HTTP request types – System Architecture – Client Side Scripting and Server side Scripting – Accessing Web servers – IIS – Apache web server.

#### **UNIT IV DATABASE- ASP – XML 10**

Database, Relational Database model – Overview, SQL – ASP – Working of ASP – Objects – File System Objects – Session tracking and cookies – ADO – Access a Database from ASP – Server side Active-X Components – Web Resources – XML – Structure in Data – Name spaces – DTD – Vocabularies – DOM methods.

#### **UNIT V SERVLETS AND JSP 9**

Introduction – Servlet Overview Architecture – Handling HTTP Request – Get and post request – redirecting request – multi-tier applications – JSP – Overview – Objects – scripting – Standard Actions – Directives.

#### **TUTORIAL 15**

**TOTAL : 60**

#### **TEXT BOOK**

Deitel & Deitel, Goldberg, “Internet and world wide web – How to Program”, Pearson Education Asia, 2001.

#### **REFERENCES**

1. Eric Ladd, Jim O' Donnel, "Using HTML 4, XML and JAVA", Prentice Hall of India – QUE, 1999.
2. Aferganatel, "Web Programming: Desktop Management", PHI, 2004.
3. Rajkamal, "Web Technology", Tata McGraw-Hill, 2001.