

Core Course – XX - Web Technologies

UNIT I

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

Introduction – Object refers, Collectors all and Children. Dynamic style, Dynamic position, frames, navigator, Event Model – On check – On load – Onerror – Mouse click – Form process – Event Bubblers – 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

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, 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

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

Text book:

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

Reference books:

Eric Ladd, Jim O’ Donnell, “Using HTML 4, XML and JAVA”, Prentice Hall of India – QUE, 1999.

Aferganatel, “Web Programming: Desktop Management”, PHI, 2004.

Rajkamal, “Web Technology”, Tata McGraw-Hill, 2001.

Sandeep Chatterjee, James Webber, “Developing Enterprise Web Services – An Architect’s Guide” Pearson Education– Second Indian Reprint 2005.

Eric Newcomer, Greg Lomow, Understanding SOA with Web Services, Pearson Education, First Indian Reprint 2005.