

CS 403 - WEB PROGRAMMING

UNIT I

HTTP Protocol, Web site design & web page design, HTML introduction & basic tags, HTML other tags & Example programs, Tables, forms, frames, HTML, Regular Expressions, CSS -style sheets

Java Script: Java Script Objects, events: the browser object model, event handling with Javascript, data validation, and window management.

UNIT II

XML: XML basics: well-formed and valid documents, Object Exchange Model document type definitions, methods for display and dynamic manipulation, XSchema, parsing XML, XSLT, Relational Databases for Querying XML Documents, Overview of SOAP.

UNIT III

Java AWT(Event Delegation Model), Swing.

Introduction to J2EE and J2SE. J2EE Multi-Tier Architecture, The Enterprise Applications: Best Practices. J2EE Design Patterns and Frameworks: Pattern Concept, Pattern catalog.

UNIT IV

Java Networking API. JDBC: JDBC Objects, Embedded SQL. Java Servlets,

Java server Pages. Enterprise Java Bean

UNIT V

Java Mail API, Java IDL, CORBA, Java RMI, Java Message Service. Java Security, Java Naming and Directory Interface API

Suggested Reading:

1. Thomas A. Powell, The Complete Reference HTML & XHTML, 4th Edition, Tata-McGraw-Hill, 2003
2. Jim Keogh, The Complete Reference J2EE, Tata-McGraw-Hill, 2002.
3. Patrick Naughton, Herbert Schildt, Java 2: The Complete Reference, 3rd Edition, Tata-McGraw-Hill, 2003.

