

CORE COURSE – XII - WEB DESIGNING AND DEVELOPMENT

Objective: Students will be allowed to design their own web page.

Unit – I

Introduction to web page design fundamentals. HTML: Introduction: what is HTML, Basic layout of HTML scripts. Head and Body Sections.

Unit – II

Head section: Title, Base HREF, LINK HREF, Meta tags, Body Section: Text formatting and alignment, Fonts, colours, ordered and unordered lists. Links Images, sounds, Video, Background.

Unit – III

Advance Elements: tables, Forms, Frames. Authoring Web Pages using editing. DHTML: Java Scripts: Introduction, Architecture of Java Script applications. Tags in Java Script. Data types and variables expressions and operation, Looping and Branching Events and Event handling. DHTML: Cascading style sheet (CSS).

Unit – IV

Core Java Script Elements: Array, Boolean, Data, Function, Math Number, Object String, Reg, and Exp.

Unit – V

Multimedia in the Web – Flash, Real Media MP 3 etc., Streaming audio and Video. Mouse over and other affects using JS. Using Java Applets: HTTP Servers and CGI concepts.

Books and Journals for study and Reference:

1. Create Web Animations in a Weekend (with CD), Steve Callahan 1990
2. Web Classes from Scratch (with CD), Jesse Liberty 1999
3. XML Web documents from scratch, Jesse Liberty 2000
4. XML and Java Developing Web Application (With CD), Hiroshi Maruyama
5. Web Design and Publishing Unleashed (with CD), Dave Brown 1997
6. Web enable your small Business, Richard Harrison 2000
7. Adobe Seminars Web Page Design - Lopuck & Hampton - Adobe Press - California - 1997.
8. How to become a Webmaster in 14 Days - Mohler - Techmedia - New Delhi - 1998.
9. How Multimedia works - Erik Holsinger - Ziff Davis Press - California - 1994.
10. Multimedia Technology & Applications - David Hillman - Galgotia Publications – New Delhi - 1998.

