

Syllabus for B.Sc-IT Course

at S.P. College

SEMESTER -- IV

**COURSE TITLE :- INTERNET TECHNOLOGIES COURSE CODE--BIT—403
AND e-COMMERCE**

UNIT-I

Computer in business , internet , electronic mail (e-mail) , Telnet , UseNet , FTP(File Transfer Protocol) , resources sharing , WWW (world wide web) , wide area information service , physical requirements : physical connection , modem , telephone line , internet browsers (Internet explorer , Netscape navigator).

E-Commerce: – Technology and prospects, internet commerce, architecture, internet based E-Commerce, issues, problems and prospects.

UNIT-II

Introduction to Hyper text markup language (HTML) : Information file creation , web server , web client / browser (understanding how a browser communication with a web-server); hyper text markup language (HTML) , HTML tags (singular and paired tags) , commonly used HTML commands (the structure of an HTML program , documents head , document body) , titles & footers , text formatting (paragraph breaks) , emphasizing material in a web page (heading styles , drawing lines) , text styles (bold , italics , underline) , other text effects (centering text , images etc.) , spacing (indenting text) .

Lists : Types of lists (unordered list , bullets) , ordered lists (Numbering) , definition lists , Adding graphics to HTML documents : using the border attribute , using the width and height attribute , using the align attribute , using the act attribute.

UNIT-III

Linking documents: links (external documents references, internal documents references), images as hyperlinks (images maps).

Tables:-Introduction (Header , Data rows , The Caption Tag) , using the Width & Border Attribute; using the cell Padding Attribute; using the cell spacing attribute; using the BGCOLOR attribute; using the COLSPAN and ROWSPAN attributes.

Frames :-Introduction to frames(The <FRAMESET> tag, The <FRAME> tag, targeting Named Frames.

Forms:-Determining form content : information issues , usability issues , design issues , creating form : understanding widgets , creating a form and adding submit and reset button , including general input fields , including text areas , including select fields.

UNIT-IV

Advanced HTML: Optimizing your web pages for internet explorer 5:Directing internet explorer users to internet explorer pages , optimization for internet explorer 5 , adding functionality , page layout , hyperlink optimization , adding a water mark to your web page , optimizing fonts , table optimization .Optimizing your web pages for Netscape navigator: the <layer>tag , inserting a web page inside a web page , tilling a back ground image behind paragraphs , clipping the contents of a <layer>tag , controlling the position of text and images on the web page , making <layer> content visible or hidden , layout tricks , page margins in Netscape navigator , formatting text into columns , Including multimedia: Deciding to include multimedia, using animated GIF's, adding sounds, adding video, video file formats.

References:

1. "Internet Technologies", by S.K.Bansal
2. "WEB DESIGN (USING HTML,DHTML,WAP & WML", by G.S.BALUJA
4. "E-Commerce: Business. Technology. Society ", by Laudon. Pearson Education

Suggested Reading:

1. "Web Enabled Development with HTML, DHTML, JAVA SCRIPT PERL CGI ", by IVAN BAYROSS
2. HTML COMPLETE, SYBEX INC USA
3. WEB PUBLISHING WITH HTML 4, LAURA LEMAY
4. Web Design: The Complete Reference by Thomas A. Powell