

Branch: BCA	Semester-VI
Subject Code: 6104	Lecture: 04 Credit: 04
Subject Title	ELECTIVE-3 WEB TECHNOLOGY

Modules	Sr. No.	Topic and Details	No of Lectures Assigned	Marks Weight age %
UNIT-I	1	General: HTTP: Overview – HTTP Basics, Client request, Server response; HTTP Headers; Session Management – Persistent connections, Cookies. General concepts on web server: Configuration & Administration; virtual hosting General concepts of caching proxy server, Web security SSL, Digital signatures; Authentication.	8	16
UNIT-II	2	Client side technologies HTML: Structure of HTML Document – Meta tags, Links, Text, Lists, Tables, Inclusions (Objects, Images, applets and Multimedia	10	20

		contents);Presentation of HTML document – Style sheets, Alignment, fonts, frames; Interactive HTML document – Forms, Scripts. XML: Well-formed, Valid document, Document Type Definitions and Document Object Model Client Side JavaScript: Object Reference – Objects. Methods and Properties, Event Handlers; Language constructs – Statements and Operators.		
UNIT-III	3	PERL & CGI CGI architecture Intro PERL with Features, Working with Strings and Arrays, File Handling, Pattern matching & formatting, Creating and using subroutines, Using PERL for CGI scripting Java Servlets & JSP Active Server Pages: Overview, Request, Response, Applications, Sessions, Cookies, Data Store Access, Web Applications. SSI: SSI Directives; SSI Environment Variables; SSI Formats.	10	20
UNIT-IV		ASP Introduction : ASP Install, ASP Syntax, ASP Variables, ASP Procedures, ASP Forms, ASP Cookies, ASP Session, ASP Application, ASP Server, ASP Error, ASP File System, ASP Text Stream, ASP Drive, ASP File, ASP Folder, ASP Dictionary	12	24
	4	Apache Tomcat Server Obtaining and Installing Apache Tomcat, Tomcat Directory Structure - bin, conf, logs, server, work, temp, webapps, Web Application Directory Structure, Deploying HTML and JSP Pages, Configuring Tomcat - Editing server.xml, Deploying Web Applications - Deployment Descriptors, web.xml configuration file Tomcat Manager - Deploying and Managing Web Application using the Tomcat Manager, Creating a WAR File Configuring Tomcat to Connect to a Database Configuring Security on Tomcat, Granting Permissions to Java Apps	10	20
		Total	50	100

References:

1. Beginning Web Programming with HTML, XHTML, CSS & JavaScript by Jon Dockett, Wrox.
2. Webmaster in a Nutshell by Stephen Spainhour, O'Reilly and Associates.
3. JavaScript: The Definitive Guide by David Flanagan, O'Reilly and Associates.
4. Beginning ASP 3.0 by David Buser and Others, Wrox.

