

MOHAMMED SATHAK A J COLLEGE OF ENGINEERING

Siruseri IT park, OMR, Chennai - 603103

LESSON PLAN							
Department of Information Technology							
Name of the Subject	Web Technology			Name of the handling Faculty	Mandakini Singh		
Subject Code	IT8501			Year / Sem	III/V		
Acad Year	2021-2022			Batch	2019-2023		
Course Objective							
1. To understand about client-server communication and protocols used during communication.							
2 To design interactive web pages using Scripting languages.							
3. To learn server side programming using servlets and JSP.							
4.To develop web pages using XML/XSLT.							
5. Understand the AJAX							
Course Outcome							
Upon completion of the course, the students will be able to:							
1 Design simple web pages using markup languages like HTML and XHTML.							
2 Create dynamic web pages using DHTML and java script that is easy to navigate and use.							
3 Program server side web pages that have to process request from client side web pages							
4 Represent web data using XML and develop web pages using JSP.							
5 Understand various web services and how these web services interact.							
Sl. No.	Topic(s)	T / R* Book	Periods Required	Mode of Teaching (BB / PPT / NPTEL / MOOC / etc)	Blooms Level (L1-L6)	CO	PO
UNIT-I WEB SITE BASICS AND HTML							
1	Web Essentials: Clients, Servers, and Communication.	T1	2	PPT	L1	CO1	PO1
2	The Internet-Basic Internet Protocols -The World Wide Web-HTTP request message	T1	1	BB	L2	CO1	PO1
3	HTTP Response Message, Web Clients – Web Servers	T1	1	BB	L1	CO1	PO1-PO2
4	Markup Languages: XHTML. An Introduction to HTML History	T1	1	BB	L3	CO1	PO1-PO3
5	An Introduction to HTML History	T1	1	BB	L1	CO1	PO1-PO2
6	Versions-Basic XHTML Syntax and Semantics Some Fundamental HTML Elements-Relative URLs	T1	1	BB	L3	CO1	PO1-PO2
7	Lists-tables-Frames	T1	1	BB	L1	CO1	PO1-PO2
8	Forms-HTML 5.0	T1	1	BB	L3	CO1	PO1-PO2
Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any:Quiz							
Evaluation method							
UNIT II CSS AND CLIENT SIDE SCRIPTING							
9	Style Sheets: CSS-Introduction to Cascading Style Sheets	T1	1	BB	L2	CO2	PO1
10	Features-Core Syntax-Style Sheets and HTML	T1	1	PPT	L2	CO2	PO1-PO2
11	Box Model Normal Flow Box Layout Beyond the Normal Flow	T1	2	PPT	L3	CO2	PO1-PO3
12	CSS3.0. Client-Side Programming: The JavaScript Language	T1	2	BB	L3	CO2	PO1-PO2
13	History and Versions Introduction JavaScript in Perspective	T1	2	PPT	L3	CO2	PO1-PO3
14	Syntax-Variables and Data Types-Statements Operators-Literals-Functions-Objects-Arrays-Built-in Objects-JavaScript Debuggers.	T1	1	PPT	L3	CO2	PO1-PO2
Suggested Activity: Assignment / Case Studies / Tuorials/ Quiz / Mini Projects / Model Developed/others Planned if any:Quiz							
Evaluation method							
UNIT III SERVER SIDE SCRIPTING							
15	Host Objects: Browsers and the DOM-Introduction to the Document Object Model DOM History and Levels	T1	1	BB	L1	CO3	PO1
16	Intrinsic Event Handling-Modifying Element Style-The Document Tree	T1	1	PPT	L3	CO3	PO1
17	DOM Event Handling Accommodating Noncompliant Browsers Properties of window	T1	1	BB	L2	CO3	PO1-PO3
18	Server-Side Programming: Java Servlets	T1	1	PPT	L3	CO3	PO1-PO4
19	Architecture -Overview-A Servlet-Generating Dynamic Content-Life Cycle	T1	1	BB	L4	CO3	PO1-PO5
20	Parameter Data Sessions-Cookies-URL Rewriting-Other Capabilities	T1	2	PPT	L4	CO3	PO1-PO4
21	Data Storage Servlets and Concurrency Databases and Java Servlets.	T1	2	BB	L4	CO3	PO1-PO6
Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any: Assignment							
Evaluation method							
UNIT IV JSP AND XML							
22	Separating Programming and Presentation: JSP Technology Introduction-JSP and Servlets	T1	1	BB	L1	CO4	PO1
23	Running JSP Applications Basic JSP-JavaBeans Classes and JSP	T1	1	BB	L4	CO4	PO1-PO3
24	Tag Libraries and Files-Support for the Model-View-Controller Paradigm- Databases and JSP. Representing Web Data	T1	1	BB	L4	CO4	PO1-PO3
25	XML-Documents and Vocabularies-Versions and Declaration-Namespaces	T1	1	BB	L4	CO4	PO1-PO4
26	DOM based XML processing Event-oriented Parsing: SAX-Transforming XML Documents-Selecting XML Data	T1	1	BB	L4	CO4	PO1-PO5
27	XPATH-Template based Transformations:	T1	2	BB	L4	CO4	PO1-PO5
28	XSLT-Displaying XML Documents in Browsers.	T1	2	BB	L3	CO4	PO1-PO3

