22CSPE103 WEB TECHNOLOGY				SE	EMESTER VI			
PREREQUISITES CATEGORY						Credit		
Java Programming Hours/Week						P	1	ГΗ
			Hours/ Week	3	0	0		3
Course Obje	ectives:		ı					
1. To unde	erstand abou	at client- server communication and protocols use	ed during communic	ation.				
2. To desig	gn interacti	we web pages using Scripting languages.						
3. To learn	Server sid	e programming using Servlets and JSP.						
4. To deve	lop web pa	ges using XML / XSLT.						
UNIT I WI	EB ESSE	NTIALS AND MARKUP LANGUAGES			9	0	0	9
Web Essential	ls: Clients	Servers, and Communication. The Internet-Basic	Internet Protocols	The Wo	rld Wi	de We	h-I	
	•	ns-Basic XHTML Syntax and Semantics-Some s-XML Creating HTML Documents-Case Study.		IL Elem	ents-R	Relativo	e U	RL
UNIT II	CSS ANI	CLIENT SIDE SCRIPTING			9	0	0	9
Built-in Object	ts - JavaScr	e-Syntax-Variables and Data Types-Statement ipt Debuggers. BJECTS AND SERVER SIDE SCRIPTING			9	0	0	(
UNITIII	11031 01	SEC IS AND SERVER SIDE SCRII TIIN	G				U	-
Event Handlin Browsers Prop Generating Dy	ng-Modifyi perties of w ynamic Co	and the DOM-Introduction to the Document Obing Element Style-The Document Tree-DOM I indow-Case Study. Server-Side Programming: Juntent-Life Cycle- Parameter Data-Sessions- Cocurrency-Case Study- Related Technologies.	Event Handling-Ac ava Servlets- Archi	commod tecture -	lating Overv	Nonco	omp Sei	olia rvle
UNIT IV	JSP and X	KML			9	0	0	9
Basic JSP-Java Study-Related Namespaces Ja Documents-Sel	aBeans Cla Technolog avaScript a decting	and Presentation: JSP Technology-Introduction asses and JSP-Tag Libraries and Files-Support in the second state of the second	for the Model-Views and Vocabularies	v-Contro -Version	oller P ns and Transf	aradigi Decla	m-C arati g X	Case ion-
UNIT V	AJAX A	ND WEB SERVICES			9	0	0	9
1					1	i 1		DDC
Concepts-Writi	KML Scher	wer Architecture –XML Http Request Object – Web Service-Writing a Java Web Service Client- na-communicating Object Data: SOAP Related	-Describing Web So	ervices:	WSDL	- Repr	ese	ntin

1.	Jeffrey C. Jackson, "Web TechnologiesA Computer Science Perspective", Pearson Education, 2011.

Text Books:

Refe	rence Books:
1.	Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, Pearson Education, 2012.
2.	Deitel, Deitel, Goldberg, "Internet & World Wide Web How To Program", Fifth Edition, Pearson Education, 2021.
3.	Marty Hall and Larry Brown, "Core Web Programming" Second Edition, Volume I and II, PearsonEducation, Copyright 2010.

Upon co	Bloom's Taxonomy Mapped	
CO1	Understand about client- server communication and protocols used during communication.	L2
CO2	Design of interactive Web pages using scripting languages.	L2,L3 and L4
CO3	Implement the Servlet and Server side programs(JSP)	L3
CO4	Develop web pages using XML / XSLT.	L3 and L4

COURSE ARTICULATION MATRIX														
COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	3	3	2	1		1	1			2	2	3	2
CO 2	3	3	3	2	1		1	1			2	2	3	2
CO 3	3	3	3	2	1		1	1			2	2	3	2
Avg	3	3	3	2	1		1	1			2	2	3	2
3 / 2 /1 - indicates strength of correlation (3- High, 2- Medium, 1- Low)														