	INTERNET AND WEB PROGR	AMMING	L T P J C					
Pre-requisite	CSE2004-Database Management System	l	Syllabus version					
			v1.1					
Course Objective			d:					
protocols.	1. To comprehend and analyze the basic concepts of web programming and internet							
•	<ol> <li>To describe how the client-server model of Internet programming works.</li> </ol>							
3. To demonstrates the uses of scripting languages and their limitations.								
	1 0 0							
<b>Expected Course</b>	Outcome:							
After successfully	completing the course the student should be	able to						
	ate web protocols and web architecture.							
2. Apply JavaScript, HTML and CSS effectively to create interactive and dynamic websites.								
	t client side scripting using JavaScript.							
	4. Develop applications using Java.							
	<ul><li>5. Implement server side script using PHP, JSP and Servlets.</li><li>6. Develop XML based web applications.</li></ul>							
	pplication using recent environment like Node	IS Angular IS	ISON and AIAX					
7. Develop a	ppheation using recent chynomient like rook	75, Miguiai 35	, JOON and AJAA.					
Student Learning	g Outcomes (SLO): 2, 5, 6, 17							
•	RODUCTION TO INTERNET		2 hours					
Internet Overviev	v- Networks - Web Protocols — Web Org	ganization and						
Browsers and Web Servers -Security and Vulnerability-Web System Architecture - URL -								
browsers and w	eb Servers -Security and Vulnerability-We	o System inte	nitecture – URL -					
	Client-side and server-side scripting.		nitecture – URL -					
Domain Name – C	Client-side and server-side scripting.							
Domain Name – C  Module:2   WEI	Client-side and server-side scripting.  B DESIGNING		4 hours					
Module:2 WEF HTML5 – Form	Client-side and server-side scripting.  B DESIGNING elements, Input types and Media element	s, CSS3 - Sele	4 hours					
Module:2 WEF HTML5 – Form	Client-side and server-side scripting.  B DESIGNING	s, CSS3 - Sele	4 hours					
Module:2 WEF HTML5 – Form Backgrounds and	Client-side and server-side scripting.  B DESIGNING elements, Input types and Media element	s, CSS3 - Sele	4 hours					
Module:2 WEI HTML5 – Form Backgrounds and Module:3 CLII SCR	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple CENT-SIDE PROCESSING AND EIPTING	s, CSS3 - Sele Column Layout,	4 hours ectors, Box Model, User Interface.					
Module:2 WEI HTML5 – Form Backgrounds and  Module:3 CLI SCR  JavaScript Introdu	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple C ENT-SIDE PROCESSING AND AIPTING uction —Functions — Arrays — DOM, Buil	s, CSS3 - Sele Column Layout,	4 hours ectors, Box Model, User Interface.					
Module:2 WEI HTML5 – Form Backgrounds and  Module:3 CLI SCR  JavaScript Introdu	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple CENT-SIDE PROCESSING AND EIPTING	s, CSS3 - Sele Column Layout,	4 hours ectors, Box Model, User Interface.					
Module:2 WEH HTML5 - Form Backgrounds and  Module:3 CLI SCR  JavaScript Introde Exceptions, Event	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple C ENT-SIDE PROCESSING AND EIPTING uction –Functions – Arrays – DOM, Built handling, Validation-AJAX - JQuery.	s, CSS3 - Sele Column Layout,	4 hours ectors, Box Model, User Interface. 7 hours egular Expression,					
Module:2 WEH HTML5 - Form Backgrounds and  Module:3 CLI SCR  JavaScript Introdu Exceptions, Event  Module:4 SER	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple C ENT-SIDE PROCESSING AND AIPTING uction —Functions — Arrays — DOM, Buil	s, CSS3 - Sele Column Layout,	4 hours ectors, Box Model, User Interface. 7 hours egular Expression,					
Module:2 WEH HTML5 - Form Backgrounds and  Module:3 CLI SCR JavaScript Introde Exceptions, Event  Module:4 SER SCR Introduction to PH	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple of ENT-SIDE PROCESSING AND EIPTING uction –Functions – Arrays – DOM, Build handling, Validation-AJAX - JQuery.  EVER SIDE PROCESSING AND EIPTING - PHP HP – Operators – Conditionals – Looping – I	s, CSS3 - Sele Column Layout, t-in Objects, R	4 hours ectors, Box Model, User Interface.  7 hours egular Expression, 5 hours eys- Date and Time					
Module:2 WEF HTML5 - Form Backgrounds and  Module:3 CLI SCR  JavaScript Introde Exceptions, Event  Module:4 SER SCR  Introduction to PF Functions - String	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple of ENT-SIDE PROCESSING AND EIPTING uction –Functions – Arrays – DOM, Built handling, Validation- AJAX - JQuery.  EVER SIDE PROCESSING AND EIPTING - PHP	s, CSS3 - Sele Column Layout, t-in Objects, R	4 hours ectors, Box Model, User Interface.  7 hours egular Expression, 5 hours eys- Date and Time					
Module:2 WEB HTML5 - Form Backgrounds and  Module:3 CLI SCR JavaScript Introde Exceptions, Event  Module:4 SER SCR Introduction to PE	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple of ENT-SIDE PROCESSING AND EIPTING uction –Functions – Arrays – DOM, Build handling, Validation-AJAX - JQuery.  EVER SIDE PROCESSING AND EIPTING - PHP HP – Operators – Conditionals – Looping – I	s, CSS3 - Sele Column Layout, t-in Objects, R	4 hours ectors, Box Model, User Interface.  7 hours egular Expression, 5 hours eys- Date and Time					
Module:2 WEB HTML5 - Form Backgrounds and  Module:3 CLI SCR  JavaScript Introde Exceptions, Event  Module:4 SER SCR Introduction to PF Functions - Strin attachments.	B DESIGNING elements, Input types and Media element Borders, Text Effects, Animations, Multiple of ENT-SIDE PROCESSING AND EIPTING uction –Functions – Arrays – DOM, Build handling, Validation-AJAX - JQuery.  EVER SIDE PROCESSING AND EIPTING - PHP HP – Operators – Conditionals – Looping – I	s, CSS3 - Sele Column Layout, t-in Objects, R	4 hours ectors, Box Model, User Interface.  7 hours egular Expression, 5 hours eys- Date and Time					

Module:6 XML 4 hours

XML Basics – XSL, XSLT, XML Schema-JSON.

PHP Data Objects.

Mo	dule:7	APPLICATION	DEVELOPME	NT		4 hours	
		USING NODE JS					
Intr	oduction	to Node.js- Installing No	de.js - Using Even	nts, Lis	steners, Timers	, and Callbacks in	
Noc	de.js – In	troduction to Mongo DB- A	Accessing MongoD	B fron	n Node.js.		
Module:8		<b>Industry Expert Talk</b>			1 hour		
					T		
			Total Lecture hor	urs:	30 hours		
	t Book(	*					
1.	Paul Deitel, Harvey Deitel, Abbey Deitel, Internet & World Wide Web - How to Program,						
	5th edition, Pearson Education, 2012.						
2.		nt Learning Solutions Inc, Web Technologies Black Book, Dream Tech press, 2013.					
3.		Dayley, Brendan Dayley, and Caleb Dayley, Node.js, MongoDB and Angular Web					
		evelopment: The definitive guide to using the MEAN stack to build web applications,					
D (	2nd Edition, Pearson Education, 2018						
	erence l		T 0 : + 01: +	<b>N</b> T 4 4*	1 / 17 11/1	O2D :11 M 1:	
1.	_	indsay Bassett, Introduction to JavaScript Object Notation, 1st Edition, O'Reilly Media,					
2	2015	sharidan Thamas Daviell LavaCarint The Commists Defending 2nd Edition Ma					
2.		chneider, Thomas Powell, JavaScript – The Complete Reference, 3rd Edition, Mc-					
3.		Hill, 2017 Holzanar, DHD. The Complete Reference, 1st Edition, Mc Grovy Hill, 2017					
4.		Holzener, PHP – The Complete Reference, 1st Edition, Mc-Graw Hill, 2017					
→.		Sandeep Kumar Patel, Developing Responsive Web Applications with AJAX and JQuery, Packt Publications, 2014					
Mode of Evaluation: CAT / Assignment / Quiz / FAT / Project / Seminar							
List of Challenging Experiments (Indicative)							
1.	_	basic tags, HTML form		ML f	rames and CS	S 4 hours	
		al, external and inline	,,,		- WILLE	1 110 0115	
2.		cript validation, DOM and A	6 hours				
3.	Java, Servlet and JSP					8 hours	
4.		PHP: Forms and File handling, Session Management and Cookies,					
- •	PHP : Forms and File handling, Session Management and Cookies, Databases  8 hours						
5.							
Total Laboratory Hours						4 hours	
Mo	de of ass	sessment: Project/Activity			<u> </u>	I	
		ded by Board of Studies					
Apr	proved b	y Academic Council	No. 47	Date	05.10.2017		