

Lesson Plan

Discipline : Computer Engineering

Semester : 5th

Subject : WEB TECHNOLOGIES

Lesson Plan Duration : 16 Weeks(from 30 July2026 to 23Nov2026)

Work Load (Lecture/Practical) per week (in hours): Lectures-03 Practical-04

Week	Theory		Practical	
	Lecture day	Topic (Including Assignment / Test)	Practical day	Topic
1st	1st	Introduction to HTML5and CSS 3. Basic structure of HTML	1st	Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure.
	2nd	Designing a web page, inserting links images, horizontal rules, comments		
	3rd	Formatting text, title, headings, colors, fonts, sizes		
2nd	4 th	Simple tables and forms.	2nd	Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure.
	5 th	HTML tags, hyperlinks. Adding graphics and images		
	6 th	Image maps, image files. Using tables, forms, style sheets and frames. Floating of web site/pages.		
3rd	7 th	Introduction to PHP: How PHP Works	3rd	Design SQL language within MySQL and PHP to access and manipulate databases.
	8 th	The php.ini File , Basic PHP Syntax, PHP variables		
	9 th	statements, operators, decision making, loops		
4 th	10 th	Arrays, strings, forms, get and post methods, Functions.	4 th	Install and configure both PHP and MySQL.
	11 th	Introduction to cookies, storage of cookies at client side, Using information of cookies.		
	12 th	Creating single or multiple server side sessions.		
5 th	13 th	Timeout insessions, Event management in PHP.	5 th	Seminar/Viva
	14 th	Introduction to content management systems based on PHP.		
	15 th	Sessional Test I		
6 th	16 th	Introduction to MySQL,	6 th	Create PHP code that utilizes the Commonly used API library functions built into PHP.
	17 th	Connecting to MySQL, database,		
	18 th	creation, insertion, deletion		

7 th	19 th	Retrieval of My SQL data using PHP.	7 th	Design and create a complete web site that demonstrates good PHP/MySQL client/server design.
	20 th	Installing Wamp Server-		
	21 st	Installing Joomla on Web Server,		
8 th	22 nd	Joomla global configuration-Article manager	8 th	To store a cookie using PHP on client side.
	23 rd	-Archive manager- FrontPage manager		
	24 th	Section manager- Category manager- Media Manager-Menu manager- Component manager		
9 th	25 th	Content Manager- Extensions manager- Module manager-	9 th	To save the user session on server side.
	26 th	Plugin manager-Template manager-How to install a new module-		
	27 th	How to install a new template-How to install new plugin-		
10 th	28 th	How to install a new component-Understanding the concept of Joomla positions	10 th	Seminar/Viva
	29 th	-Changing the layout Structure by changing the module position.		
	30 th	Sessional Test II		
11 th	31 st	Understanding Basic Joomla Template-	11 th	Design website using Joomla.
	32 nd	Customizing Joomla template -		
	33 rd	Building Custom Joomla Template- Understanding Templatedetails.xml		
12 th	34 th	File-Creating Templatedetails.xml	12 th	Design website using Joomla.
	35 th	File using tmpl_builder Linking CSS-		
	36 th	Linking JavaScript- Understanding		
13 th	37 th	Include-Displaying Content in Xhtml-	13 th	Design website using Joomla.
	38 th	Creating Template installation Package-		

	39 th	Creating Custom Forms-		
14 th	40 th	Changing the Form Appearance using CSS .	14 th	Design website using Joomla.
	41 st	Overview/Revision of unit I		
	42 nd	Overview/Revision of unit II		
15 th	43 rd	Overview/ Revision of unit III	15 th	Seminar/Viva
	44 th	Overview/Revision of unit IV		
	45 th	Sessional test III		

