

Lesson Plan

Discipline : Computer Engineering
Semester : 5th
Subject : Web Technologies
Teaching Period : July 2026 to Nov 2026

Week	Theory		Practical	
	Lecture day	Topic (including Assignment / Test)	Practical day	Topic
1st	1st	Introduction to HTML, Versions of HTML	1	Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure
	2nd	Features of HTML, New added elements in HTML 5		
	3rd	Introduction to CSS 3, Benefits of CSS		
2nd	4th	Basic structure of HTML, Design a web Page	2	Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure
	5th	Introduction to HTML Tags, Horizontal Rules, Comments, Formatting Text		
	6th	Title, Headings, HTML Colors, Image Maps, Hyperlinks, Main page		
3rd	7th	Table and Forms: Table Tags, Table Heading, Height and Width, Header, Body, Footer	3	Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate
	8th	HTML Forms, HTML Form Controls, HTML 5 Attributes		
	9th	Frames in HTML		
4th	10th	HTML and CSS: Internal CSS, External CSS	4	Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate
	11th	CSS Fonts, Floating of Web Pages/Site		
	12th	Assignment and Class Test		
5th	13th	Introduction to PHP, How PHP Works	5	Design SQL language within MySQL and PHP to access and manipulate databases
	14th	The php.ini File, Basic PHP Syntax		
	15th	PHP Tags		
6th	16th	Revision	6	Design SQL language within MySQL and PHP to access and manipulate databases
	17th	PHP Statements and Whitespace		
	18th	PHP Statements and Whitespace		
7th	19th	Variable Types	7	Install and configure both PHP and MySQL
	20th	Type Strength, Variable Scope, constants		
	21st	Sessional Test-I		
8th	22nd	Assignment, variable Testing, Manipulation Functions	8	Install and configure both PHP and MySQL

	23rd	Operators: Strings		Create PHP code that utilizes the commonly used API library functions built in to PHP.
	24th	Methods and Functions, Built in functions		
9th	25th	Function arguments, Returning values	9	Create PHP code that utilizes the commonly used API library functions built in to PHP.
	26th	Control statements, Conditional Processing		
	27th	Loops : while loop, do...while, For		
10th	28th	PHP forms, Authorization, Session Cookies	10	Design and create a complete web site that demonstrates good PHP/MySQL client/server design
	29th	Introduction to MY sql, and Connention		
	30th	Database Development using MySql		
11th	31st	PHP Connectivity with MySQL	11	Design and create a complete web site that demonstrates good PHP/MySQL client/server design
	32nd	Revision		
	33rd	Sessional Test-II		
12th	34th	Database: Creation, Insertion, Deletion and retrieval of mySQL data using PHP	12	To store a Cookie using PHP on Client side
	35th	Queries on SQL		
	36th	Assignment		
13th	37th	Installing Wamp Server, joomla configuration	13	To store a Cookie using PHP on Client side
	38th	Section Manager, category Manager and all categories		
	39th	Installalation of new module, template and plugin		
14th	40th	Installing new component, joomla positions	14	To save server session on server side
	41st	Changing the layout structure of module postions		
	42nd	Introduction to joomla front end, joomla template		
15th	43rd	File linking using css	15	Design website using Joomla
	44th	Javascirpt understanding		
	45th	Package installation		
16th	46th	Assignment	16	Design website using Joomla
	47th	Revision		
	48th	Sessional Test-III		