

Govt. Polytechnic Sundernagar (H.P.)

Lesson Plan Theory

Branch: Computer Engineering

Semester : 5th Semester Computer Engg.(Diploma)

Subject :Web Programming

Session :2025(August-December,2025)

Theory=3 Practical=2*2

Teacher : Er. Sudhir Sen

Chapter	Month	Week	Date	Chapter Description	Detail of Contents	Remarks
1	August	2nd	5,8,12	Unit 1 : Dynamic Websites	Review of HTML5, CSS and JavaScript; HTTP, HTTP Request, HTTP Response	
		3rd	19,22,23		Working of a Web, Server, Static Websites, Dynamic Websites,	
		4th	25,29,30		Web Applications, Form Data Submission Methods -GET and POST, HTTP Sessions, HTTP Cookies.	
2	September	1st	2,5,6	Unit 2: Introduction to PHP	Origin of PHP, Advantages of PHP, Embedding PHP Code in Webpages, LAMP Stack, Install and	
		2nd	9,12			
		3rd	16,19,20		Configure PHP Environment, PHP Syntax, Comments, Variables, Naming Variables, Variable Scope,	
		4th	23,26,27		Constants, echo statement, PHP Data Types, String Literals - Single and Double Quoted Strings, PHP	
		5th	30		Operators, PHP Control Statements, PHP Arrays	
3	October	1st	3,4	Unit 3: PHP Functions	PHP Standard Library Functions: String Functions - htmlspecialchars(), ltrim(), rtrim(),	
		2nd	10		trim(), strtoupper(), strtolower(), explode(), implode(), strlen(), strcmp(), strpos(); Math Functions -sqrt(), ceil(), floor(), log(),	
		3rd	14,15		pow(), sin(), cos(), tan(); User-defined Functions	
		4th	21,24,25	Unit 4: PHP Form Processing	2nd Class Test	
		5th	28,31		HTML Form Element, action and method Attributes, submit and clear Buttons, Form Elements, name	
4	November	2nd	1,4,7	Unit 4: PHP Form Processing	Diwali Vacation	
		3rd	11,14,15		and id attributes, Hidden Input, Client-side Form Validation, PHP Superglobals - \$_GLOBALS,\$_SERVER, \$_REQUEST, \$_POST, \$_GET, \$_FILES, \$_ENV, \$_COOKIE, House Test	
		4th	18,21,22	Unit 5: Using MySQL Database with PHP	\$_SESSION; Serverside Validation, Handling Uploaded Files., Basic Database Concepts - Database, Table, Column, keys & Constraints,	
		5th	25,28,29		Connecting PHP to MySQL, Executing Simple SQL Statements -INSERT, UPDATE, DELETE and SELECT, Retrieving and Processing Query Results, mysqli real escape_string() function, Handling MySQL errors. Session Closes 26.11.2025	

Signature of Teacher

Signature of H.O.D.