

Govt. Polytechnic Sundernagar

Lesson Plan (Theory)

Branch **Computer Engg**
 Subject **Web Programming**
 Teacher **Kumari Neena**

Semester 4th

Sr. No.	No of lectures	Chapter	Detailed Content	Resources	Remarks	Signature
1	10	Dynamic Websites Basics	Review of HTML5, CSS and JavaScript; HTTP, HTTP Request, HTTP Response, URL, Working of Web Servers and Web Browsers, Static Websites, Dynamic Websites, Web Applications, Form Data Submission Methods - GET and POST, HTTP Sessions, HTTP Cookies	R1, R2,R3		
2	15	Introduction to PHP	Origin of PHP, Advantages of PHP, Working of PHP, Embedding PHP Code in Webpages, LAMP Stack, Install and Configure PHP Environment, PHP Script, PHP Syntax, Statements, Comments, Variables, Naming Variables, Variable Scope, Constants, echo and print Statements, PHP Data Types, String Literals - Single and Double Quoted Strings, Operators, PHP Control Statements, PHPArrays.	R1, R2,R3		
3	15	PHP Functions	PHP Standard Library Functions: String Functions - htmlspecialchars(), ltrim(), rtrim(), trim(), strtolower(), strtolower(), explode(), implode(), strlen(), strcmp(), strpos(); Math Functions - sqrt(), ceil(), floor(), log(), pow(), sin(), cos(), tan(); User-defined Functions.	R1, R2,R3		

Govt. Polytechnic Sundernagar
Lesson Plan (Practical)

Branch **Computer Engg**
Subject **Web Programming**
Teacher **Kumari Neena**

Semester **4th**

Sr. No.	No. Of Practical	Name of Practical	Tentative date of performance	Actual date of performance	Remarks	Signature
1	1	To install and configure LAMP / XAMP server on Windows or Linux machine.	1/4/21 to 9/4/21			
2	2	To embed PHP script in a web page that displays a simple message in the browser	12/4/21 to 17/4/21			
3	3	To use variables in PHP script and perform arithmetic calculations on them	12/4/21 to 17/4/21			
4	4	To use if...elseif...else statement to determine the division of a student depending upon the percentage of obtained marks.	19/4/21 to 24/4/21			
5	5	To generate the multiplication table of a given number using for statement.	19/4/21 to 24/4/21			
6	6	To create an HTML form and demonstrate action attribute and submit button.	26/4/21 to 1/5/21			
7	7	To demonstrate the GET and POST form data submission methods.	26/4/21 to 1/5/21			
8	8	To demonstrate the difference between validating form data in JavaScript and PHP script.	3/5/21 to 7/5/21			
9	9	To handle uploaded files in PHP.	10/5/21 to 15/5/21			
10	10	To demonstrate the difference between single quoted and double quoted strings in PHP.	17/5/21 to 22/5/21			
11	11	To create multiple PHP web pages and demonstrate the use of include and require.	17/5/21 to 22/5/21			

12	12	To demonstrate error handling feature of PHP using set_error_handler() and trigger_error().	24/5/21 to 29/5/21			
13	13	To demonstrate exception handling feature of PHP (try...catch, throw).	31/5/21 to 5/6/21			
14	14	To demonstrate the use of header () function.	7/6/21 to 11/6/21			
15	15	To demonstrate the working of AJAX by dynamically loading a page with PHP response.	14/6/21 to 19/6/21			
16	16	To demonstrate date/time manipulation in PHP.	21/6/21 to 26/6/21			
17	17	To create a HTML form-based interface to INSERT, UPDATE, DELETE and SELECT data from MySQL database.	28/6/21 to 3/7/21			
18	18	To create a login/registration form that uses PHP Sessions and Cookies.	5/7/21 to 17/7/21			
19	19	To demonstrate the SQL injection attack and its remedy.	19/7/21 to 24/7/21			

Subject Teacher

H.O.D

Approved