

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Diploma Engineering				Branch	COMPUTER ENGINEERING			
Semester	V				Version	1.0.0.0			
Effective from Academic Year			2020-21		Effective for the batch Admitted in			JULY 2018	
Subject code	1CE2502		Subject Name		Web programming Using PHP				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	3	0	1	0	4	Theory	40	60	100
Hours	3	0	2	0	5	Practical	30	20	50

Pre-requisites:
Basic Knowledge of Computer, Basic Programming.

Course Learning Outcomes:
The course content should be taught and implemented with an aim to develop different skills leading to the achievement of the following competencies and course learning outcomes:
T1. To understand the concepts, structure and design of PHP.
T2. To understand the Looping and Control structure of PHP
T3. To understand the knowledge of user defined function and different form of array
T4. To understand the flow of data between the pages and how to access the value of different form elements.
T5. To understand different way to store the user data by the server.
T6. To understand MySQL database

Course Content				
Name of UNIT	Unit Content	Unit Learning Outcomes	Marks	Hrs
UNIT -1 Introduction to PHP	1.1 Introduction to different kinds of Languages 1.2 Introduction to PHP for Web Development, History and future scope of PHP, state the relationship between PHP, MySQL and Apache 1.3 Installation of Important tools for Working in PHP like WAMP, XAMPP. 1.4 Structure and Syntax of PHP, PHP variable and its data types, type casting and Garbage value	1.a Describe different programming language 1.b Study scope of PHP 1.c Study about different tools for web development using PHP	6	8
UNIT – 2 Control and Looping	2.1 Control Statements- If Statement, If.....Else Statement, If...If Else Statement, Nested If Statement, Switch Statement	2.a Describe the flow of execution using if 2.b Describe iterative model	10	8

structure of PHP	2.2 Looping Statements- For Loop, While Loop, Do...While Loop, For each Loop			
UNIT – 3 Array and Function	<p>3.1 What is an Array, Types of Array- Numeric array and associated array?</p> <p>3.2 Multi-dimensional Arrays</p> <p>3.3 What is a function? , Types of Function, return statement, How to call a function, Function without parameters, Function with parameters, Static Variable, Difference between Call By Value and Call By Reference,</p> <p>3.4 Built in function:</p> <p>3.5 string function: Chr, ord, strtolower, strlen, strtoupper, ltrim, rtrim, trim, substr, strcmp, strcasecmp, ctrops, strops, stristr, strrev, str_replace, echo, print</p> <p>3.6 Math functions: Abs, ceil, floor, round, fmod, min, max, pow, sqrt, rand</p> <p>3.7 Array Function: Count, list, in_array, current, next, previous, end, each, array_merge, array_reverse, sort</p> <p>3.8 Variable Function: gettype, settype, isset</p> <p>3.9 File Function: Fopen, fread, fwrite, fclose</p>	<p>3.a Describe the steps to create array</p> <p>3.b Describe how to store 3-d data structure using array</p> <p>3.c Describe user defined function</p> <p>3.d State the use of built in functions</p>	14	10
UNIT – 4 Working with Forms	<p>4.1 Important HTML Tags, integration of HTML Tag in PHP</p> <p>4.2 Super-Global Variable, GET, POST, isset(), isempty()</p>	<p>4.a Use different HTML tags to create a web page</p> <p>4.b Process different form elements</p>	16	8
UNIT – 5 Cookies and Session	<p>5.1 What are Cookies? Create, fetch and Delete cookie.</p> <p>5.2 Differentiate session and cookie.</p>	<p>5.a Use cookie to store and retrieve user data</p> <p>5.b State the use of session</p>	6	5
UNIT 6 MySQL	<p>6.1 Introduction to MySQL, Database design and Development using MySql,</p> <p>6.2 MySQL commands</p> <p>6.3 PHP Connectivity with MySQL</p>	<p>6.a Describe basic of MySQL</p> <p>6.b State the connection of database using PHP</p>	8	6

	6.4 Updating, Inserting, Deleting records in the MySQL database			
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List of Practical		
No.	Unit	Name of Practical
1	UNIT 1	Install WAMP and XAMP.
2	UNIT 1	To demonstrate perform Hello Word in PHP.
3	UNIT 1	To demonstrate concept of Operators.
4	UNIT 2	To demonstrate various programs to covers looping and conditions structure.
5	UNIT 3	To create Programs to perform various operations on arrays.
6	UNIT 3	To demonstrate the use of functions in PHP.
7	UNIT 4	To create various forms in HTML.
8	UNIT 4	To demonstrate PHP GET/POST methods in Forms
9	UNIT 5	To create cookies and perform insert, delete and update values.
10	UNIT 5	To create a session.
11	UNIT 6	To demonstrate PHP and MySQL Connectivity.

List of Instruments/Equipment/Trainer Board	
1	WAMP/XAMPP
2	PHP editor like Notepad ++/ Adobe Dreamweaver

List of Text Books			
No	Title of Text Books	Authors	Publication
1	Beginning PHP and MySQL, 4th Edition	W. Jason Gilmore	Apress, 2010

List of Reference Books			
No	Title of Reference Books	Authors	Publication
1	Teach yourself PHP, MySQL and Apache All in One , 5th Edition	Julie C. Meloni,	Pearson

Link of Learning Web Resource	
1	https://www.w3schools.com/PHP/
2	https://www.tutorialspoint.com/php/index.htm