

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Diploma Engineering				Branch	INFORMATION TECHNOLOGY			
Semester	IV				Version	1.0.0.0			
Effective from Academic Year	2018-19				Effective for the batch Admitted in	June 2018			
Subject code	1IT2402		Subject Name		PHP & MySQL				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total	CE	SEE	Total	
	L	TU	P	TW					
Credit	3	0	2	0	5	Theory	40	60	100
Hours	3	0	4	0	7	Practical	60	40	100

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	1.1. Describe different programming language 1.2. Study scope of PHP 1.3. Study about different tools for web development using PHP	6	8
UNIT – 2 Control and Looping structure of	2.1. Control Statements- If Statement, If.....Else Statement, If...If ElseStatement,Nested If	2.1. Describe the flow of execution using if 2.2. Describe iterative model	10	8

PHP	Statement, Switch Statement 2.2. Looping Statements- For Loop, While Loop, Do... While Loop, For each Loop			
UNIT – 3 Array and Function	3.1. What is an Array, Types of Array- Numeric array and associated array 3.2. Multi-dimensional Arrays 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, 3.4. Built in function: string, math, array	3.1. Describe the steps to create array 3.2. Describe how to store 3-d data structure using array 3.3. Describe user defined function 3.4. State the use of built in functions	14	10
UNIT – 4 Working with Forms	4.1. Important HTML Tags, integration of HTML Tag in PHP 4.2. Super-Global Variable, GET, POST, isset(), isempty()	4.1. Use different HTML tags to create a web page 4.2. Process different form elements	16	8
UNIT – 5 Cookies and Session	5.1. What is Cookies? Create, fetch and Delete cookie. 5.2. Differentiate session and cookie.	5.1. Use cookie to store and retrieve user data 5.2. State the use of session	6	5
UNIT 6 MySQL	6.1 Introduction to MySQL, Database design and Development using MySql, 6.2 PHP Connectivity with MySQL	6.1 Describe basic of MySQL 6.2 State the connection of database using PHP	8	6

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 session.
11	UNIT 6	To demonstrate PHP and MySQL Connectivity.

List of Instruments/Equipment/TrainerBoard	
1	WAMP/XAMPP
2	PHP editor like Notepad ++

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