



Program	BACHELOR OF VOCATION (B.Voc.)	Semester - 2
Type of Course	-	
Prerequisite		
Rationale	-	
Effective From A.Y.	2024-25	

Teaching Scheme (Contact Hours)				Examination Scheme				
Lecture	Tutorial	Lab	Credit	Theory Marks		Practical Marks		Total Marks
				SEE T	IAT	SEE P	CCE	
3	1	-	4	50	-	-	20	70

SEE - Semester End Examination, IAT - Internal Assessment Test, CCE - Continues & Comprehensive Evaluation

Course Content		T - Teaching Hours W - Weightage	
Sr.	Topics	T	W
1	Introduction to PHP as a programming Language Advantages of PHP, The server side architecture Decomposed, Overview of PHP, History of PHP, Object oriented support, Benefits in running PHP as a server side script, Installing a web server, Internet information server, IIS installation, Testing web server setup	10	20
2	The Basics of PHP Data types, Variables, Constants, Operators, Arrays, Conditional statements: if statement, Executing Multiple Statements, else if clause, Switch statement, Iterations: For loop, Foreach loop, While loop, Do while loop, PHP Break, PHP Continue	9	20
3	Functions Advantages, User defined functions, Functions with arguments, Parameterized Function, Call by Value, Call by reference, Default argument, Variable Argument, Recursive Function Built in functions : print(), includer(), header(), phpinfo(), PHP server Variables, Working with date and time, Performing mathematical operations, Working with string functions, System Variable: GET, POST, Cookies & Session	9	20
4	Working with Forms, Form elements Text Box, Text Area, Password, Radio Button, Checkbox, The Combo Box, Hidden Field and image, Adding elements to a form, uploading files to the Web Server using PHP, building a challenge and response subsystem and understanding the functionality of the FORM attribute Method Regular Expressions : Engine, types of Regular Expressions, symbols used in Regular Expressions Error handling in PHP : Displaying errors, warnings, types of errors, error levels in PHP, Logging Errors and Ignoring errors	10	30
5	Data base connectivity using PHP MySQL, ODBC, ORACLE, SQL, Performing & executing commands, Different types of Data Base Operations like Insertion, deletion, update and query on data	7	10
Total		45	100



Suggested Distribution Of Theory Marks Using Bloom's Taxonomy

Level	Remembrance	Understanding	Application
Weightage	10	20	20

NOTE : This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Course Outcomes

At the end of this course, students will be able to:

C01	Understand PHP as programming language
C02	Understand basics of PHP
C03	Apply functions and system variables in PHP
C04	Use server-side scripting with PHP to generate the web pages dynamically using the database connectivity
C05	Develop the modern Web applications using the client and server-side technologies and the web

Reference Books

1.	PHP: The Complete Reference (TextBook) By Steven Holzner McGraw-Hill Education
2.	Developing Web Applications (TextBook) By Ralph Moseley and M. T. Savaliya Wiley-India
3.	Mastering PHP, WebTech Solutions (TextBook) Khanna Publishing House
4.	Learning PHP (TextBook) By Ramesh Bangia Khanna Publishing House
5.	Developing Web Applications in PHP and AJAX (TextBook) By Harwani McGrawHill