

<b>Branch Name:</b>	MCA
<b>Program Code:</b>	CS201
<b>Course Name:</b>	3CS2010207P
<b>Course Code:</b>	Open-Source Technology Using PHP Practical
<b>Pre-requisite Course:</b>	Programming Skills

**Course Objectives:**

1. Extend proficiency in development of web applications.
2. Able to carry out the study of web page designing and database fundamentals.
3. Get a good quality understanding of web applications of LAMP.

**Teaching and Examination Scheme:**

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
	-	3	3			25	25	50

**Text Books:**

1. Learning PHP, MySQL & JavaScript 5th edition Robin Nixon
2. Headfirst PHP & MySQL 1st edition Lynn Beighley
3. PHP and MySQL Web Development 5th edition Luke Welling

**Reference Books:**

1. Teach yourself PHP, MySQL and Apache All in One , 5th Edition
2. Learning PHP, MySQL, books by ' O' riley Press.
3. PHP: The Complete Reference , Steven Holzner, McGraw-Hill.

**List of Open Source Software/learning website:**

<https://www.geeksforgeeks.org>

<https://www.w3schools.com>

<https://www.codecademy.com>

<https://www.tutorialspoint.com>

**LAB/Practical**

1. Write a PHP script to display welcome messages.
2. Write a PHP script to demonstrate arithmetic operators, comparison operators, and logical operators.
3. Write PHP Script to generate results and display grades.
4. Write PHP Script to find the maximum number out of three given numbers.
5. Write PHP script to demonstrate Variable function.
6. Write a PHP script to demonstrate Array functions.
7. Write a PHP script to demonstrate string function.
8. Write a PHP script to demonstrate File functions.
9. Create student registration form using text box, check box, radio button, select, submit button. And display user inserted values in the new PHP page.
10. Write a PHP script to demonstrate Statement Management Function.
11. Write PHP script to demonstrate form validation using javascript
12. Write PHP script to demonstrate the use of regular expression
13. Write a PHP script that implements the concept of constructor and destructor.
14. Write a program to get value from database into dropdown using oop php mysql
15. Write a program to Retrieve Data from MySQL using class and object.
16. Add, Update and delete record from mySQL using class and object
17. Create Login and Registration Form in PHP Using OOP
18. Create a dynamic web site using PHP and MySQL.

**Course Learning Outcomes (CLO):** On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	Familiar with creating of the server side scripting using PHP	2 Understanding 3 Applying,
CLO2	Build Dynamic web pages using server-side PHP programming with Database Connectivity	3 Applying, 6 Creating
CLO3	Aware about the software tool and process like Eclipse IDE, Sublime text, visual studio code	2 Understanding,
CLO4	build website that perform CRUD operation for creating, reading, updating, and deleting data and will show on website	3 Applying, 6 Creating
CLO5	Design responsive form with different input type elements using bootstrap	3 Applying,
CLO6	build a custom solution that catches PHP errors and exceptions and shows a proper error page for them	6 Creating

**Mapping of CLOs with Pos & PSOs**

Course Learning Outcomes	Program Outcomes(POs)												Program Specific Outcomes(PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CLO1	M	M	H	L	M			M	L		M	M	M	L
CLO2	H	H	H	L	H		L	L	M		M	M	H	H
CLO3		L	L		H		L		L		L	L	L	M
CLO4	H	H	H	L	H		L	L	M		M	M	H	H
CLO5	L	L	H	L	M		L	L	L		M	L	H	M
CLO6	M	M	H	M	H		L	M	L		M	M	M	H

**H:High, M:Medium, L:Low**