



ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

Faculty of Science

BBA/BCA/BA/B.Sc./B. Com

IV Semester

Paper-Vocational

Web Development using PHP & MySQL

Course Outcomes

CO. No.	Course Outcomes	Cognitive Level
CO 1	Discover how the web works, what make web sites work.	U, A
CO 2	Implement simple and impressive design techniques from basics to advanced – so as to focus on goal oriented and user centric designs	K
CO 3	Understand the working of arithmetic & logic unit	U
CO 4	Know about hierarchical memory system including cache memories and virtual memory.	U, Analyze
CO 5	Understand concept and advantages of parallelism, multi-processors and multi-core processors.	U

Credit and Marking Scheme

	Credits	Marks		Total Marks
		Internal	External	
Theory	2	40	60	100
Practical	2	40	60	100
Total	4			200

Evaluation Scheme

	Marks	
	Internal	External
Theory	3 Internal Exams of 20 Marks (During the Semester) (Best 2 will be taken)	1 External Exams (At the End of Semester)
Practical	3 Internal Exams (During the Semester) (Best 2 will be taken)	1 External Exams (At the End of Semester)





ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

Content of the Course

Theory

No. of Lectures (in hours per week): 2 Hrs. per week

Total No. of Lectures: 60 Hrs.

Maximum Marks: 60

Units	Topics	No. of Lectures
I	BASICS OF PHP: Introduction to PHP, PHP features, installation of XAMPP, WAMP, Benefits of using PHP MYSQL, Server Client Environment, Web Browser, Web Server Installation & Configuration Files. OOPs with PHP, language basics, syntax, comments, variables, constants and data types, expressions and operators.	15
II	Flow control statements, looping structures, and Arrays Including HTML code in PHP and embedding PHP in web pages. FUNCTIONS & STRINGS in PHP: Defining a function, calling a function, variable scope, function parameters, return values, User Defined Function, System Defined Function, Parameterized Function, Date and time Function, formatting strings, and regular expression.	15
III	Strings: Creating & and accessing strings, searching and replacing strings, and comparing strings. PHP Forms: \$ — GET, \$_POST, File Handling: File and directory, open, close, read, write. MySQL an Overview: Introduction, what is a Database, understanding an RDBMS, Tables, records & Fields, SQL Language	15
IV	Working with phpmyadmin: Creating and using a database, selecting a database, creating/dropping a table, loading data into a table, retrieving information from a table, selecting all data, selecting particular rows, selecting particular columns, writing queries, sorting, calculations, working with NULL values, pattern matching, counting rows. MySQL DATABASES IN PHP: Introduction, connecting to a MySQL database, querying the database Designing applications using PHP & and MySQL.	15



ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

References

Text Books:

- Head First PHP & MySQL, Lynn Beighley & Michael Morrison, O'Reilly
- PHP: A Beginner's Guide, Vikram Vaswani, McGraw-Hill Edition
- Learning PUP, MySQL, JavaScript, & CSS: A Step-by-Step Guide to Creating Dynamic Websites, Robin Nixon, O'Reilly
- PHP and MySQL Web Development, Luke Welling, Addison-Wesley

Reference Books:

- The Joy of PHP, Alan Forbes, BeakCheck LLC
- Learning PUP, MySQL, JavaScript, & CSS: A Step-by-Step Guide to Creating Dynamic Websites, Robin Nixon, O'Reilly

Web Links:

- <https://www.udemy.com/course/php-mysql-tutorial/>
- <https://www.simplilearn.com/learn-php-basics-free-course-skillup>
- <https://www.coursera.org/learn/web-applications-php>

List of Practical

1. Create a simple HTML form and accept the user name and display the name through PHP echo statement.
2. Write a PHP script to demonstrate arithmetic operators, comparison operators, and logical operators.
3. Write a PHP Script to input marks, generate results and display grades.
4. Write a PHP Script for addition of two 2x2 matrices.
5. Write a PHP script to obtain the factorial of a number using the function
6. Write a PHP script to demonstrate string, date and math functions.
7. Create a student registration form using a text box, check box, radio button, select, and submit button. And display user inserted value in the new PHP page.
8. Write two different PHP scripts to demonstrate passing variables through a URL.
9. Write two different PHP scripts to demonstrate passing variables with sessions.
10. Write PHP script to demonstrate passing variables with cookies.
11. Write a program to keep track of how many times a visitor has loaded the page.
12. Write PHP script to demonstrate exceptional handling.
13. Write a PHP script to connect the MySQL server from your website.
14. Create EMP table with emp_no, emp_name, designation and salary. Write a program to read employee information from the EMP table and display all this information in the php page.
15. Create a customer table in MySQL with cust_no, cust_name, item_purchased, and mob no, and insert 10 records into it.



ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

16. Write a program to read customer information from the customer table and display all this information in table format on a php page.
17. Deigns a web form in PHP to input values for the customer record and insert the record in the customer table as a tuple.
18. Design an "update- web form to edit name of the customer to "Bob" with cust_no =1 .
19. Design a "delete web form to delete records with cust_no=3.
20. Create a dynamic web site using PHP and MySQL.

