



P.K.University
Shivpuri (M.P.)

Faculty of Art's

Syllabus
For
B.A.

(IV SEMESTER COURSE)

W.E.F. - Session 2024 - 2025

P.K.UNIVERSITY SHIVPURI (M.P.)

B.A. 4th Semester

Syllabus

Subject- Web Designing

Course Title: Web Development using

Unit: I Basics of PHP (No. of Lectures: 6)

Introduction to PHP, PHP features installation of XAMPP/WAMP, Benefits of using PHP MYSQL, Server Client Environment, Web Browser, and Web Server Installation & Configuration Files.

OOPs with PHP, language basics, syntax, comments, variables, constants and data types, expressions and operators, flow control statements, looping structures, Arrays

Including html code in PHP, Embedding PHP in web pages.

Unit: II Functions & Strings in PHP (No. of Lectures: 6)

Defining a function, Calling a function, variable scope, function parameters, return values, User Defined Function, System Defined Function, Parameterized Function, Date & Time Function, Hash Function, Mail Function, predefined functions.

Strings: Creating & accessing string, searching and replacing strings, encoding and escaping, comparing strings, formatting strings, regular expression.

Unit: III Data & File Handling (No. of Lectures: 6)

PHP Forms: \$_GET, \$_POST, \$_REQUEST, \$_FILES, \$_SERVER, \$GLOBAL, \$_ENV, input/output controls, validation, cookies and Sessions.

File Handling: File and directory, open, close, read, write, append, delete, uploading and downloading files. File exists, File Size, Rename. Reading and display all/selected files present in a directory.

Unit: IV MySQL an Overview (No. of Lectures: 6)

Introduction, what is a Database, Understanding an RDBMS, Tables, Record & Fields, SQL Language.

Working with phpmyadmin: Creating and using a database, Selecting a database, creating I 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, date, calculations, working with NULL values, pattern matching, counting rows, using more than one tables, using table and column aliases.

Unit: V MySQL, DATABASES IN PHP (No. of Lectures: 6)

Introduction, connecting to a MySQL database, querying the database, Retrieving and displaying the results, modifying data and deleting data through front end. Designing applications using PHP & MySQL.

Web designing Lab I

UWEBDCP202

- Create a simple HTML form and accept the user name and display the name through PHP echo statement.
- Write a PHP script to demonstrate arithmetic operators, comparison operator, and logical operator.
- Write PHP Script to input marks, generate result and display grade.
- Write PHP Script for addition of two 2x2 matrices.
- Write PHP script to obtain factorial of a number using function.
- Write PHP script to demonstrate string, date and math function.
- Create student registration form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.
- Write two different PHP script to demonstrate passing variables through a URL
- Write two different PHP script to demonstrate passing variables with sessions.
- Write PHP script to demonstrate passing variables with cookies.
- Write a program to keep track of how many times a visitor has loaded the page.
- Write PHP script to demonstrate exceptional handling.
- Write a P1-IF script to connect MySQL server from your website.
- Create EMP table with emp_no, emp_name, designation and salary. Write a program to read employee information from EMP table and display all this information in PHP page.
- Create customer table in MySQL with cust_no, cust_name, item purchased, and mob no, insert 10 records into it.
- Write a program to read customer information from customer table and display all these information in table format on PHP page.
- Designs a web form in PHP to input values for the customer record and insert the record in customer table as a tuple.
- Design an "update- web form to edit name of customer to "Bob" with cust_no 1
- Design a "delete web form to delete record with custno=3.
- Create a dynamic web site using PHP and MySQL.

Learning Resources

Text Books, Reference Books, Other resources

Suggested Readings:

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