

PHP -Scripting Language(Theory)

Objective: The objective is to provide a comprehensive study of the Backend. It stresses the strengths of Web, which provide students with the means of writing efficient, maintainable, and portable Website.

Credits:03

Semester 6

L-T-P-J:3-0-1-2

Module No.	Content	Teaching Hours
I	PHP Basics: Introduction to PHP, Basic Syntax of PHP, Embedding PHP in HTML, Comments, Variables, Constants, Managing Variables, Operators and Operator Precedence and String Manipulation functions. Conditional Control Structures: If statement, If- else statement, If- else if statement, Nested If, Switch statement. Functions in PHP: Functions, User-Defined function, Call by value and call by references, Understanding variable scope, Global Variables, Static Variables, Include and Require, Built-in functions in PHP.	28
II	Arrays: Arrays and its types in PHP, Accessing Elements of an Array, Modifying Elements of an Array, Functions in array, Array Sorting, Multidimensional Array. PHP File Handling: Introduction, File Open, File Creation, writing to files, Reading from File, searching a record from a file, Closing a File. Class and Object: Introduction, Object, Class, Defining Class in PHP, Object in PHP, Usage of this variable, Constructor, Constructor with Parameters. Exception Handling: Introduction to Exception, Exception Handling mechanisms, Creating Custom Exceptions, Multiple Catch Blocks, Exception Propagation, Error Handling in PHP.	23
III	Form Handling and Session Management in PHP: Accessing and displaying Form data from different Form components, Differences among \$_GET, \$_POST and \$_REQUEST variables, Session management, Session operations, Session tracking mechanism, Clearing/Modifying data from session, Destroying a session, Setting and Retrieving Cookies, Uploading a file, displaying its details, restricting various details of a file during upload, checking for errors and reading Error code table. Database Management: Introduction to DBMS, SQL Basics, Database connectivity in PHP with MySQL, Executing Queries from frontend. XML: Introduction to XML, Parsing XML document using DOM parser, Various operations on XML document using PHP.	18

Text Books:

PHP Reference Beginner to Intermediate PHP 5 By Mario Lurig

PHP and MySQL by Mike McGrath