



Syllabus: Certificate in PHP

- **Duration:** 4 Months
- **Eligibility:** 12th Pass (Basic HTML knowledge recommended)

Evaluation Scheme

- **Full Marks:** 200
- **Theory:** 100 Marks
- **Practical/Project Works:** 80 Marks
- **Internal Assessment/Viva (Oral Test):** 20 Marks

Course Syllabus

This course provides a comprehensive introduction to PHP, a popular server-side scripting language, focusing on building dynamic websites and web applications.

Module 1: PHP Fundamentals

- Introduction to Server-Side Scripting.
- Setting up a local development environment (XAMPP/WAMP).
- PHP Syntax, Variables, Data Types, and Operators.
- Embedding PHP code within HTML.

Module 2: Control Structures & Functions

- Conditional Statements: if, else, elseif.
- Looping Structures: for, while, do-while, foreach.
- User-Defined Functions, Parameters, and Return Values.
- Include and Require statements.

Module 3: Handling Web Data

- Working with Arrays: Indexed, Associative, and Multidimensional arrays.
- Handling HTML Forms with GET and POST methods.
- Form Validation and Sanitization.

Module 4: State Management & File System

- Working with Sessions and Cookies to manage user state.
- Reading from and writing to files on the server.
- Handling file uploads.



Module 5: Introduction to MySQL & Database Connectivity

- Basics of Relational Databases and SQL.
- Connecting to a MySQL database with PHP.
- Performing CRUD Operations: Create, Read, Update, Delete data.
- Fetching and displaying data on a web page.

Module 6: Final Project

- Students will develop a dynamic, database-driven web application.
- **Example Project:** A simple blog, a user registration and login system, or a contact form that stores messages in a database.

