

Syllabus of 6 Weeks Training

PHP basics

- PHP syntax
- Understanding Datatypes
- Variables and its scope
- Operators and Expressions
- Constants
- Decisions
 - If statement
 - else and elseif statement
 - Switch statement
- Loops
 - for loop
 - do..while loop
 - while loop
- Passing values between pages
 - Introduction to GET and Post methods
 - Difference between GET and POST
 - Passing value between pages via URL
 - POST and HTML forms.
- Code reusability by including files
 - file inclusion functions
 - difference between various inclusion functions
- Url Redirection
- **working with Strings**
 - creating and accessing strings
 - searching strings
 - Replacing strings
 - dealing with uppercase and lowercase
 - Formatting strings
- **working with arrays**
 - introducing associative and standard arrays
 - creating and accessing arrays
 - looping through array with foreach
 - 2 dimensional and multidimensional arrays
 - array manipulation functions
- **PHP Functions**
 - Introduction with functions
 - Why functions are useful?

- Calling functions
- Writing your own functions
- Writing recursive functions
- **PHP OOPs**
 - Introduction to objects and classes
 - creating and using properties
 - Working with methods
 - Constructor and destructor
 - object overloading with `_get()`, `_set()` and `_call()`
 - using inheritance

Module 3 Using PHP in practice

- **Database Connectivity**
 - Basic SQL queries practices
 - Introduction to MySQL functions
 - Using MySQL function Database connectivity
 - Implement CRUD with PHP MySQL functions
 - Understanding PHPMyAdmin
- **Authentication with PHP**
 - Understanding Login Procedure
 - Implementing User Login
 - Secure Login Information
- **File Uploading**
 - Uploading file via HTML form
 - Getting file information
 - File and Directory Functions
- **Sending E-mail**
 - introduction to e-mail and SMTP
 - built in e-mail function.
 - other e-mail modules
- **Preserving state with Session and Cookies**
 - Introduction to session
 - session Variable and Functions
 - Working with cookies and it's functions
 - Using session information for user tracking
- **Working with files and directories**
 - Understanding files and directories
 - Getting information on files
 - Opening and closing files
 - reading and writing to files
 - working with file permissions

- copying, renaming and deleting files
- working with directories
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- **String Matching and Regular expressions**
 - Introduction to regular experssion
 - Pattern matching in PHP
 - Exploring regular expressions
 - Form validation with regular expressions
- **PEAR**
 - Introduction with PEAR
 - Using a PEAR Package
 - Creating HTML table with PEAR
 - Authenticatio with PEAR
 - Web forms with PEAR