

## PHP SYLLABUS

### INTRODUCTION

- The Origin of PHP
- Hardware and Software requirements
- PHP Configuration
- What a PHP Script Looks Like

### BASIC PHP DEVELOPMENT

- Basic PHP syntax
- PHP data types
- Operators
- Variable manipulation
- Dynamic variables

### STRING MANIPULATION

- Formatting String
- Joining and Splitting String
- Comparing String
- Matching and replace Substring

### CONTROL STRUCTURES

- If(), else if() and else if condition Statement
- The switch statement
- Using the ? operator
- Using the while() Loop
- The do while statement
- Using the for() Loop
- Breaking out of loops
- Nesting loops

### PHP SYLLABUS

#### FUNCTIONS

- What is a function
- Creating a function
- Returning value from function
- User-defined functions
- Dynamic function calls
- Variable scope
- Accessing variable with the global statement
- Function calls with the static statement
- Setting default values for arguments
- Passing arguments to a function by value
- Passing arguments to a function by reference
- Testing for function existence Arrays
- Single-Dimensional Arrays
- Multidimensional Arrays
- Associative arrays

#### WORKING WITH THE FILE SYSTEM

- Creating and deleting a file
- Reading and writing text files
- Working with directories in PHP
- Checking for existence of file
- Determining file size
- Opening a file for writing, reading, or appending
- Writing Data to the file
- Reading characters

## PHP SYLLABUS

### WORKING WITH FORMS

- Forms
- Super global variables
- Super global array
- A script to acquire user input
- Importing user input
- Accessing user input
- Combine HTML and PHP code
- Using hidden fields
- Redirecting the user
- File upload and scripts
- Delete a File

### WORKING WITH REGULAR EXPRESSIONS

- The basic regular expressions
- Matching patterns
- Finding matches
- Replace patterns

### CLASSES AND OBJECTS

- Object oriented concepts
- Define a class
- Class attributes
- An Object
- Creating an object
- Object properties
- Object methods
- Object constructors and destructors
- Class constants
- Static method
- Class inheritance

### PHP SYLLABUS

- Abstract classes
- Final keyword
- Implementing Interface
- Object serialization
- Understanding Advance and New
- Checking for class and method existence
- Iterators

### INTRODUCTION TO DATABASE

- What is RDBMS technology?
- Introduction to SQL
- Connecting to the MYSQL –
- Selecting a database
- Adding data to a table
- Displaying returned data on Web pages
- Finding the number of rows
- Looping through database
- Inserting data
- Deleting data
- Entering and updating data
- Executing multiple queries
- Understanding Primary and Foreign Keys
- Understanding Database Normalization
- Dealing with Dates and Times

### COOKIES

- What is a Cookie?
- Setting time in a cookie with PHP
- Deleting a cookie
- Creating session cookie
- Working with the query string

### PHP SYLLABUS

#### SESSION

- What is session?
- Starting a session
- Registering Session variables
- working with session variables
- destroying session
- passing session Ids
- encoding and decoding session variables • How to increase session expire time
- How to work session without cookie?

#### ADVANCE PHP TECHNIQUES

- Introduction about FTP/SMTP server
- Math functions
- File upload
- File Download
- E-mail with PHP
- PHP configuration file
- Error tacking and debugging

#### PHP PROJECT

- What is session?
- Starting a session
- Registering Session variables
- working with session variables
- destroying session
- passing session Ids
- encoding and decoding session variables • How to increase session expire time
- How to work session without cookie?