

# PHP



## SYLLABUS

### COVERAGE

- Web Application Overview
- Language Fundamental
- HTML
- Java script
- CSS
- Form Processing
- File Handling
- Session Management
- PHP – MySQL
- SQL Injection
- AJAX
- OOPS
- PDO
- Cake PHP
- Bootstrap
- Angular JS(introduction)

### SYLLABUS IN DETAILS

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#### Introduction

- Web Application
- Understanding client/server roles
- XAMPP Installation
- Apache, PHP, MySQL

#### PHP Language Fundamental

- Basic syntax
- Data Types
- Variables
- Constants
- Operators
- Control Structures
- Loops
- Array
- Function

#### HTML5

- Introduction
- Basic Tags
- Text Formatting Tags
- Entities
- Lists
- Images
- Links
- Tables

#### CSS3

- Style sheet Basics
- Various selectors
- Properties
- Values of each property

#### Java Script

- Introduction
- Variables
- Data Types

- Operators
- Control Structures
- Functions
- Events
- Document Object Model
- Form Validations
- Regular Expressions

#### Forms

- Frames
- Special Tags
- Head part
- Designing website using div

#### Form Processing

- Get and Post Method
- \$\_GET and \$\_POST Array
- \$\_REQUEST Array
- Form Validation
- File Uploading
- File Downloading

#### File Handling

- Understanding file& directory
- Opening and closing a file
- File Operation
- Working with directories

#### Encryption Mechanism

- md5
- sha1
- crc32
- base64\_encde
- base64\_decde

#### MySQL Database

- IntroductionSQL(DDL, DML, DQL, TCL,

DCL)Data types

Functions KeysJoinProcedure

### **PHP – Database Application**

- Connect to MySQL Server

- Registration Application
- Login Application
- SQL Injection

- CURD Operation

### **Session Management**

- URL Rewriting
- Hidden Field
- Cookie
- Session

### **PHP – AJAX Application**

- Introduction to AJAX
- Features of AJAX
- Creating First AJAX Application
- Assignment

### **PHP OOPS**

- Introduction
- Declaring a class
- Objects
- constructor
- Destructor
- Public ,private, protected
- Static properties and method
- Inheritance
- Polymorphism
- Parent:: & self:: keyword
- Instanceof operator
- Abstract method and class
- Interface
- Exception Handling

### **String**

- Strings and Patterns
- Matching
- Extracting
- Searching Replacing
- Formatting

### **MySQLi and PHP Data objects**

- Introduction
- Installation
- Connection with MySQL
- Create a MySQL database
- Create a MySQL tables
- Perform CURD Operation
- Login Module implementation
- Registration Module implementation

### **Cake PHP**

- Introduction
- Installation
- Folder Structure
- Model
- View