

Introduction of PHP 5.5

- ❖ Origin of PHP in open source community
- ❖ Introduction of PHP 5.5, ❖ Introduction of Web Application
- ❖ Introduction of Software Architecture
- ❖ What is PHP?, ❖ What can PHP do?, ❖ PHP strengths
- ❖ PHP Tags, ❖ PHP delimiters,
- ❖ Creating user defined variables, ❖ Reference variable
- ❖ Assigning values to scalar variables, ❖ Data types
- ❖ Operators and precedence
- ❖ Control structure with if, else and switch
- ❖ Iteration using while, do-while and for loops, ❖ Comments

- ❖ Type casting, ❖ Type testing, ❖ Constants,
- ❖ Use of break, continue and goto

PHP with HTML 5.0

- ❖ Introduction of HTML, ❖ Use of HTML
- ❖ HTML scripts and form elements
- ❖ Embedding PHP code into HTML
- ❖ How data sent from forms to PHP scripts
- ❖ Navigation web pages
- ❖ Adding dynamic content to web page
- ❖ Use of super global variables
- ❖ Interacting with server with GUI

Array

- ❖ Introduction of array, ❖ Array structure
- ❖ Manipulation of array
- ❖ Single dimensional or index based array
- ❖ Associative array, ❖ Multidimensional array
- ❖ Use and advantages of foreach()

- ❖ Working with Inbuilt array functions, ❖ Array operator

Interacting with File Systems

- ❖ Usage and advantages of file systems
- ❖ Creating files and directories
- ❖ Removing files and directories
- ❖ Saving and retrieving data using files
- ❖ Opening a file using modes
- ❖ Other useful file functions

- ❖ Project with file systems

MySQL

- ❖ Introduction of database concept and technology
- ❖ Introduction of MySQL, ❖ Database Architecture
- ❖ Creating a MySQL database, ❖ Creating tables
- ❖ Use of Insert, Select, Update, Alter, Create, Rename, Delete, Truncate, etc., ❖ Basic queries of MySQL,
- ❖ Constraints, ❖ Use of primary, foreign, unique and index key
- ❖ Dropping tables and databases, ❖ Connectivity with PHP
- ❖ Inbuilt MySQL functions, ❖ Project with MySQL

- ❖ Setting users and privileges, ❖ Storage engines
- ❖ Sub query, ❖ Joining tables using JOIN
- ❖ Use of order by and group by

Function

- ❖ Introducing function, ❖ Defining function, ❖ Advantages of function
- ❖ User defined functions, ❖ System defined (Inbuilt) functions
- ❖ Function arguments, ❖ Returning values, ❖ Variable scopes
- ❖ Local, global and static variables, ❖ Argument passing

- ❖ Call by value, ❖ call by reference, ❖ Reusing codes

Object Oriented Programming

- ❖ Introducing OOPS, ❖ Object oriented concepts
- ❖ Class, object and operations, ❖ Class properties and methods
- ❖ Encapsulation, ❖ Data abstraction, ❖ Inheritance
- ❖ Polymorphism, ❖ Constructor, ❖ Destructor,
- ❖ Use of parent, self, -> and ::

- ❖ User defined and pre defined constructor
- ❖ Parametrized constructor, ❖ Access modifiers or visibility
- ❖ Use of public, private and protected, ❖ Class method invocation
- ❖ Static method, ❖ Final keyword, ❖ Use of \$this
- ❖ Abstract class, ❖ interfaces, ❖ Object cloning, ❖ Singleton Pattern

State Management

- ❖ Session, ❖ Cookies, ❖ Destroying session and cookies

- ❖ Understanding session functionality
- ❖ Setting cookies with PHP, ❖ HTTP management

String Manipulation

- ❖ Formatting string, ❖ Comparing string
- ❖ Joining and splitting string
- ❖ Matching and replacing string
- ❖ Other various string functions

Regular Expression

- ❖ Introducing R/E ❖ Matching and replacing strings with R/E
- ❖ Splitting string with R/E, ❖ Characters sets and classes
- ❖ Branching with R/E

Advance PHP Techniques

- ❖ File upload and download
- ❖ Email with PHP, ❖ PHP configuration file
- ❖ Error tracking and debugging, ❖ Security

Javascript

- ❖ Introduction of javascript, ❖ Uses and advantages of javascript
- ❖ External, internal and inline javascript, ❖ Js variables
- ❖ Form validations with Js, ❖ Js Events, ❖ Js window & history object

- ❖ Js data types and operators, ❖ Dialog boxes
- ❖ Loops and control structure in Js, ❖ Js Document Object Model
- ❖ Js page printing & page redirection,

CSS 3.0

- ❖ Introducing CSS, ❖ CSS syntax, ❖ CSS Id & Class
- ❖ CSS page layouts, ❖ Implementing CSS

Jquery

- ❖ Introducing jquery, ❖ JQuery syntax
- ❖ JQuery selectors, ❖ JQuery events, ❖ JQuery animate
- ❖ JQuery effects using hide, show, toggle, fade, slide

Cake PHP 2.7

- ❖ Introduction of Cake PHP
- ❖ Installation & configuration of Cake PHP
- ❖ Understanding MVC architecture
- ❖ Naming conventions of Cake, ❖ Controllers
- ❖ Understanding Controller, ❖ The App Controller
- ❖ Request Parameters, ❖ Controller Methods
- ❖ Controller attributes, ❖ Creating controller class
- ❖ Views, ❖ View templates, ❖ View layouts
- ❖ Creating view class, ❖ Models, ❖ Helpers
- ❖ Form Helper, HTML helper & JS helper
- ❖ Scaffold & Pagination, ❖ Routing
- ❖ Application Development with Cake PHP

Joomla 3.1

- ❖ Content management system overview
- ❖ Introduction of Joomla
- ❖ Joomla features and advantages
- ❖ Installation of joomla, ❖ Setting up Joomla site
- ❖ Joomla administration
- ❖ Creating and publishing an article
- ❖ Managing menus, ❖ Managing user groups and privileges
- ❖ Template manager, ❖ Extension Manager, ❖ Media Manager
- ❖ Category Manager, ❖ Global configurations

- ❖ Working on modules, ❖ Custom template development
- ❖ Custom component development
- ❖ Logo and site slogan, ❖ Website Development With Joomla

Magento 1.9.2

- ❖ Magento Overview

- ❖ Magento Installation, ❖ Theme Integration
- ❖ Extension Integration, ❖ Manage Category, ❖ Manage Products

Drupal 7

- ❖ Drupal Overview ❖ Codeigniter 2.2.0 ❖ Create Pages
- ❖ Create Blogs ❖ Codeigniter Setup, ❖ Naming Convention
- ❖ Controller, ❖ Model, ❖ View, ❖ Libraries Function
- ❖ Integrate HTML CSS Templates, ❖ Codeigniter With Ajax

- ❖ Codeigniter Overview

- ❖ Drupal Installation, ❖ Creating new users setting Privileges

Wordpress 4.3.1

- ❖ Introduction of Wordpress, ❖ Wordpress features and advantages
- ❖ Installation of wordpress, ❖ Wordpress Administrator
- ❖ Creating Posts and Pages, ❖ User roles, ❖ Content visibility
- ❖ Wordpress widgets, ❖ Wordpress plugins, ❖ Working with templates
- ❖ Custom plugin Development, ❖ Designing headers and headings
- ❖ Customize web application with admin panel
- ❖ Changing site URL, ❖ Using permalinks

AJAX

- ❖ Introduction to AJAX, ❖ XMLHttpRequest Object
- ❖ Application Development With AJAX, ❖ Managing server status
- ❖ XMLHttpRequest methods

Projects

- ❖ 2 Mini Live projects
- ❖ 1 Live running / Major project