

Seecog Training programme

Php training for IT professionals .

Syllabus summary :

1. Php basic
2. Php 5.x advance with mysql (database planning and documentation) , oops in php
3. MVC Framework (codeigniter , Yii)
4. Php CMS (Wordpress , joomla , magento)
5. Javascript , jquery , bootstrap 3 (to make website platform compitable) , ajax
6. Css3 , html5
7. Google analyst
8. Webservice / SOAP / REST/JSON/XML
9. Version control system SVN/GIT

Tools that we use for online training (skype,webex,ammy admin) .We will provide all the softwares needed in the training with the help of cloud computing software (Dropbox) .

Training Schedule - PHP Basic Courses

Session	Title	Details
Session 1	Introduction	Introduction to www, History Understanding client/server roles Apache, PHP, MySQL, XAMPP Installation
Session 2	PHP Fundamentals	PHP Basic syntax, PHP data Types, PHP Variables, PHP Constants, PHP Expressions, PHP Operators, PHP Control Structures, PHP Loops
Session 3	PHP Arrays	PHP Enumerated Arrays, PHP Associative Arrays Array Iteration, PHP Multi-Dimensional Arrays, Array Functions

Session 4	PHP Functions	PHP Functions, Syntax, Arguments, Variables, References, Pass by Value & Pass by references, Return Values, Variable Scope, PHP include(), PHP require()
Session 5	PHP Forms	PHP Form handling, PHP GET, PHP POST, PHP Form Validation, PHP Form Sanitization
Session 6	PHP Cookies & PHP Sessions	PHP Cookie handling, PHP Session Handling, PHP Login Session, Managing user ACL
Session 7	PHP Strings Handling	Strings and Patterns, Matching, Extracting, Searching Replacing, Formatting, PCRE
Session 8	Assessments	Based on topic covered
Session 9	Basic MySQL, Simple SQL queries	Database basics, Indexes, PHP MyAdmin Connect & Pconnect, MySQL Create, MySQL Insert, MySQL Select, MySQL Update, MySQL Delete, MySQL Truncate, MySQL Drop
Session 10	Advanced SQL query building	WHERE condition, Order By, Group By, Having, LIKE, AND OR operators
Session 11		
Session 12	SQL Functions	Using SQL functions AVG, COUNT, SUM, MIN, MAX, LCASE, UCASE
Session 13	Importing , Exporting CSV data	Importing and Exporting CSV Files
Session 14	Advanced MySQL Joins ,Full Text Search	INNER Join, MySQL LEFT Joins, MySQL RIGHT Joins,
Session 15		Complex SQL Queries, Full Text Search

Part 2: Php advance training.

Training Schedule - PHP Advance Course		
Session	Title	Details
Session 1	PHP Advanced Data Validation, Error Handling	PHP Patterns, Regular expression
Session 2	PHP AJAX - XML, JSON	PHP XML file handling, JSON data handling
Session 3	PHP PEAR Mail, PHP Zip, Handling CSV data	PEAR Mail, PHP Zip, PHP read write CSV Files
Session 4	PHP XML	PHP XML Handling
Session 5	PHP CURL	Transfer of data with URL syntax
Session 6	PHP OOPs Basic	Introduction to OOPs Class, Methods
Session 7	OOPs Instance Method	Constructor, Destructor, Inheritance
Session 8	OOPs Abstract Class, Interface	Intro to Abstract Class , Interface

Session 9	OOPs Keywords	Class Autoload, Static & Final Keywords, Polymorphism
Session 10	PHP Graphics using GD Library	Creating graph, Image resizing, Adding watermarks to images, image width, image height, Add Text To Image
Session 11	Importing , Exporting CSV data	Importing and Exporting CSV Files
Session 12	Advanced MySQL Joins , Full Text Search	INNER Join, MySQL LEFT Joins, MySQL RIGHT Joins, Complex SQL Queries, Full Text Search

Php frameworks : Codeigniter

Training Schedule - Codeigniter Framework Course		
Session	Title	Details
Session 1	Initial Setup and Configuration	Config Class, Database Config, Explanation of MVC Architecture
Session 2	First CI Application	Loader Class, Libraries, Creating Static Pages, Creating First Controller, Model & View
Session 3	CodeIgniter URLs, URI Routing	Passing Parameters in URLs, URI Class
Session 4	Reserved Names	
Session 5	Auto Loading Functions	

Session 6	Form Handling	Input Class, Form Validation Class, File Uploading Class, Security Class, Page Redirection
Session 7	Helper Functions	Cookie Helper, Date Helper, Download Helper, URL Helper
Session 8	Database	Database Configuration, Connecting to a Database, Running Queries, Generating Query Results, Query Helper Functions, Field Data
Session 9	Active Record Class	Selecting Data, Inserting Data, Updating Data, Deleting Data, Method Chaining
Session 10	Session handling	Session Class
Session 11	Email Class	Sending Emails using CI, SMTP, Google
Session 12	Image Manipulation Class	Resize Image, Aspect Ratio
Session 13	Pagination Class	Pagination of large data
Session 14	Caching	
Session 15	Cart Class	Simple shopping cart example
Session 16	Encryption Class	
Session 17	User Agent Class	Identify user agent and display browser specific view
Session 18	Zip Encoding Class	Create Zip files, Unzip files

Php CMS (Content management system)

- **Wordpress**
- **Joomla**

Wordpress :

Course Schedule for Wordpress		(2 weeks)
Session	Title	Details
Session 1	Introduction to wordpress	Detailed Introduction to wordpress , How to make a website or a bog using a wordpress, Downloading and Installing wordpress on XAMPP SERVER
Session 2	Administration Screen	Short Introduction to all the menus and submenus on the Administration Screen
Session 3	Dashboard	Accessing all the site management features of WordPress
Session 4	Themes	Installing and managing themes, Editing the appearance of themes, theme settings, adjusting different elements of installed themes like slideshow, post, pages
Session 5	Posts	Adding new post, Editing existing posts, inserting images, videos to the posts, adding categories to publishing the posts on the websites. Adding custom fields. Adding Tags to the pages

Session 6	Pages	Adding New pages , Modifying pages, Editing pages, Inserting images, videos,mp3 to the pages, publishing the pages on the websites, creating static homepages.
Session 7	Menus	Creating Custom Menus, modifying themes default menu.
Session 8	Media	Uploading pictures, videos, editing images, publishing them on the websites, embedding videos from Youtube to your website.
Session 9	Links	Adding New links , Editing the links, Adding categories to the links.Manging Categories
Session 10	Comments	Comment Moderation, Approving comments, removing spam.
Session 11	Widgets	Adding, Editing widgets to the theme.
Session 12	Plugins	Introduction to plugins , Installing plugins , Editing plugins.
Session 13	Social Media Plugins	Floating social media, social media widget, social media tabs,social media mashup, social media icons
Session 14	Top Plugins	All-in-one video pack,contact-form,front-slider,seo-wordpress, google fonts,MP3-

		jplayer,paypal donations.
Session 15	Users	Managing the accessibility to the website/blog.
Session 16	Tools	Import Export wordpress files, Using press this functionality
Session 17	Settings	General, Reading, Writing, Discussion, Media, Privacy, Permalinks, Changing graavatars.
Session 18	Slider	Adding Custom Slider to the themes.

Joomla cms :

Course Schedule for Joomla		(2 weeks)
Session	Title	Details
Session 1	Introduction to CMS	Type of CMS - Joomla , Wordpress
	CMS Installation	Installation of XAMPP on local PC, Localhost configuration, Joomla installation
Session 2	Joomla 3.0 Configuration	Joomla Global Settings User types and rights Media Management
Session 3	Understanding Joomla 3.0 foundation structure	Menu, Articles, Components, Plugins, Modules, Templates
Session 4	Joomla 3.0 Extensions	Understanding Components, Modules, Plugins
Session 5	Joomla 3.0 Articles	Categories, Sections, Articles
Session 6	Joomla 3.0 Menu	Create menu, sub menu
Session 7 - 8 - 9 - 10	Mini Project	Designing site layout Front end access Logged in user access Selecting and installing modules Building Forms Twitter Integration Youtube integration Facebook Integration Google Map Site Analytics Introduction to Major Extensions - Community Builder, Classifieds, E-Commerce - Virtuemart

Session 11	Joomla 3.0 Troubleshooting	Javascript conflicts, Module enabling/disabling issues, Plugin Dependencies, Template index pages, Customizing Footer, Changing menus
Session 11	Joomla 3.0 Internals	Joomla Tables, Change User Password, MD5 encryption
Session 12	Joomla 3.0 SEO	SEO Basics, Metadata Creating SEF URLs, SEF Components
Session 13-14-15-16-17	Live Joomla 3.0 Project	Site Content Preparations, Site design considerations, Selecting components, Selecting Layouts, Selecting Template, SEO Planning, Planning global settings, Installation on localhost, Uploading to live server, Calculating project efforts & cost
Session 18	Handling Live Hosting	Control Panel, Domain creation, DNS Settings, Folder Permissions
Session 19	Joomla 3.0 Community	Participating in forums, Searching free and paid extensions, Templates, Effectively using Search Engines
Session 20	Joomla 3.0 Admin Practices	Managing Joomla Updates, Backup, Visitor Stats