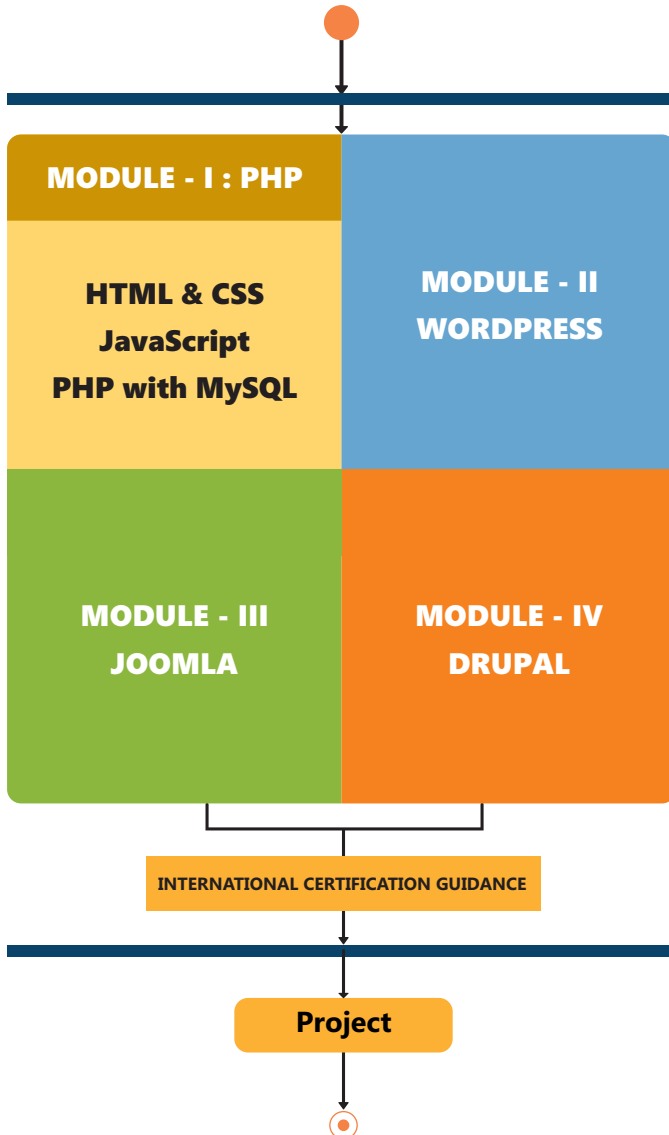


COURSE OVERVIEW



DPT - COURSE CONTENTS

01- PHP with MySQL

HTML & CSS

- HTML Basics : Structure, Elements, Attributes
- Various input fields in HTML
- Tables, Frames, Lists, Layouts
- Fonts and colors
- Images, Audio, Videos
- HTML Form
- CSS

JavaScript

- Language basics
- Variables, data types, functions, operators
- Control flow using conditional and iterative statements
- Managing HTML DOM and events
- Javascript objects
- Windows management using JavaScript

PHP with MySQL

- Basics of PHP
 - Introduction to Client Server Architecture and how PHP works.
 - Introduction to Webservers, WAMP, XAMPP, LAMP
 - What is a Web Application
 - Web Application Architecture
 - Terminology of Web Application
 - Client Side & Server Side Scripting
 - Basic PHP programs
- Fundamentals of PHP
 - Basic syntax, Types, Variables, Constants, Expressions, comments

- Operators
 - ♦ Operator Precedence, Arithmetic, Assignment, Bitwise, Comparison Operators, Incrementing Decrementing, Logical, String Operators
- Control Structures
 - ♦ if_else, else_if ladder, looping statements-while, do_while, for, conditional operators, Switch
- PHP Language reference
 - Functions
 - ♦ functions using pass by value
 - ♦ pass by reference
 - ♦ use of global variables
 - Arrays
 - indexed array, associative arrays, array functions
 - String Handling in PHP
 - string handling functions
 - Using Web Forms
 - Super Global Variables
 - \$GLOBALS, \$_SERVER, \$_GET, \$_POST, \$_REQUEST
 - Data validation
 - Data Filtering
 - Sanitization and Validation
 - Exceptions
 - Session and State management
 - session, \$_SESSION, cookie, \$_COOKIE, User Identification

DPT - COURSE CONTENTS

01- PHP (CONTD.)

MySQL

- MySQL Administration in PHP
 - Creating MySql database
 - Creating tables
 - Insert / update / Delete data from Tables
 - Retrieving data from Table(s)
 - Executing SQL queries
- Working with Databases
 - Connecting to Database
 - Retrieving records from the database
 - Retrieving data from resultset
- Handling XML
- File handling
 - Opening a file
 - Reading the contents of the file
 - Writing Contents in the file
 - closing the file
- Sending emails
- Regular Expression
- JSON
 - Basic concepts of object and classes in JSON
- AJAX using PHP
 - Ajax architecture, Ajax with PHP code
- JQuery
 - window.onload event, Ready function, wrapped set, event properties

02 - WORDPRESS

- Setting up a domain and hosting account
- Installation of WordPress on the MySQL database
- Website designing by choosing color schemes, fonts, layouts, and more
- Working with Themes in WordPress - Select, install, and activate a theme
- Creating Website pages
- Adding images and photo galleries
- Adding posts to Website
- Create tags for SEO and categories to organize their posts
- Use WordPress as a content management system (CMS)
- Use widgets and plugins
- How to create an ecommerce site
- Integrating WordPress with social media
- How to customize a WordPress site using PHP, CSS, and HTML

DPT - COURSE CONTENTS

03 - JOOMLA

- Why Joomla
- Installation of Joomla
- Concept of CMS
- Joomla Menus, Articles, Sections, Categories
- Modules, Components & Plugins
- Admin and Site Extensions
- Global Configuration
- Using Article Manager
- Using Section Manager
- Using Category Manager
- Using Front page Manager
- Using Menu Manager
- Using Archive Manager
- Using Article Parameters
- Admin and Site Extensions
- Global Configuration
- Understanding & Customizing Joomla Templates
- Adding Styles to Joomla Template
- Working with Media Manager
- Working with Links Manager
- Working with User Manager
- Working with Template Manager
- Working with Language Manager
- Working with Banner Manager
- Installing Modules, Components and Plugins
- Joomla VirtueMart

04- DRUPAL

- Administration & Modules Development
- Introduction to Drupal
- Installation of Drupal
- Understanding Administrator Settings and User Management
- Organizing Menus and Navigation
- Creating Content and submission
- Tools and Rules
- Understand Hooks
- Forms API
- Custom nodes
- Using various Modules
- Using various Themes

05- International Certification

- Guidance for International Certification
- Development

06- Project (optional)

- Design
- Development