

DRUPAL

Training



DRUPAK

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A DRUPAL BASED
WEB DEVELOPMENT
AND TRAINING COMPANY

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DRUPAL





Introduction

Drupal is a well-known and award winning free, Open Source Content Management System (CMS) and framework built in PHP, the most popular web development language. With Drupal one can build any type of Website like University/College/Library Websites, Huge Portals, Online Shops, Government Websites, Online Advertising Websites, Online Jobs , Online Registration Websites, Business Community Websites, E-commerce Websites, Conference/Camp/Events Websites, Blogs, Forums and the list grows on.

Benefits of Drupal:

- Drupal is Open source (i.e Free to acquire and use)
- Rapid Website Development (Within just a few hours or days one can deliver a website as opposed to Custom PHP which will take ages)
- Thousands of Add-on Modules
- Modular Extensible Architecture
- Powerful Design Customization Options
- Multisite Management
- Thriving and helpful Development
- Community
- Proven Security Record

Who are using Drupal?

Some of the World's leading organizations using Drupal are as follows

1. Whitehouse (www.whitehouse.gov) and hundreds of US Government Websites
2. NASA
3. Cisco
4. Weather.com for the Weather channel
5. Australian Government Portal
6. Indian Government Portal
7. French Government Portal
8. London.gov.uk
9. Harvard University
10. LUMS Pakistan
11. Careem
12. Canadian Government Data Portal
13. United Nations
14. British Council
15. Georgia.gov
16. UNDP, UNESCO, WFP
17. Lamborghini
18. Tag heuer

And thousands of more organizations around the globe use Drupal to empower their web presence. In Pakistan, Government of Punjab, Khyber Medical University, Khyber Girls Medical College, PICO, Mehran University are in Drupal.

Also, we have news of National Assembly of Pakistan moving to Drupal.

Who Should Attend?

- Freelancers
- Students
- Web developers and architects
- Designers and user experience developers
- Back-end and front-end developers
- Content authors and strategists
- Anyone willing to have career in Web Development

Details of Proposed Training

Website Building with Drupal

Who Should Attend?

1. Individuals wanting to learn Website Development/Drupal.
2. Business owners or employees responsible for their company's website.
3. Web designers looking to expand their service offerings by providing Drupal sites for clients.
4. Web Professionals looking to save time and learn building amazing and powerful websites.

Pre-Requisites

No prior knowledge of Web Development/Programming. But still some basics of HTML, CSS will be a plus.

Training Curriculum

Day 1

- Introduction to Drupal
- Installing Drupal
- Understanding Content in Drupal
- Creating and Managing Content
- Creating Different types of content with Custom Content types
- Categorizing content with Taxonomy
- Understanding Blocks in Drupal
- Menu Management
- User Management and Permissions
- Creating Blogs in Drupal
- Creating Forums in Drupal
- Installing new themes
- Drupal Modules Overview
- Downloading and Installing Drupal Modules
- A go through of must have modules in Drupal.

Day 2

- Drupal's Magical Views Module
- Understanding Views interface
- Creating lists of data with views
- Creating a slideshow with views Slideshow module
- Styling views and views slideshow
- Paragraph Module in Drupal
- Understanding Drupal's Panels Module
- Creating a custom frontpage with Panels module
- Panelizer Module
- Display Suite module
- Understanding Drupal's Context module
- Understanding Drupal's Rules module
- Drupal's Webform Module for Surveys
- Drupal's Quicktabs Module

Day 3

Drupal Theme Development

- Introduction to theming basics
- Preparing a site for theming
- Enabling themes and theme settings
- Introduction to Bootstrap
- Translating a design into a Drupal theme
- Creating the info file and adding CSS
- Customizing the page template
- Adding regions to the page template
- Customizing the node template
- Creating dynamic templates for specific node
- Using the theme development module

Day 4

- Adding JavaScript to a theme
- Tour of popular Page Template variables
- Adding a screenshot to your theme
- Creating Drupal Content and views to be used
- Conclusion to theming basics
- Introduction to Advanced Theming in Drupal
- Altering output generated by Drupal

Day 5

Drupal Commerce

- Installing Drupal Commerce
- Products & Product Variations
- Pricing Rules and Discounts
- Creating Different types of Products
- Shopping Cart
- Customizing Product Displays.
- Checkout Process
- Power of Rules in Drupal Commerce

Day 6 & 7

CASE STUDY

Creating a University Website in Drupal

- Understanding and Analyzing Requirements
- Choosing a theme for the website
- Creating the Data structure (Content Types, Taxonomy etc)
- Creating Content
- Creating Views of content
- Styling Views Creating and styling a front page slideshow via Views Slideshow module
- Creating users to control site content
- Creating a Teacher's blog
- Creating a student's forum
- Creating a sub website for every department of the university
- Creating an online admissions section
- Creating an online recruitment section on the university website
- Putting it all together
- Launching the website

Day 8

Drupal Module Development

- Build a .info and .module files to set up your module.
- What is Drupal hook and uses.
- Write hook_menu and hook_permissions functions
- Set up an admin settings form and use hook_form_alter
- Create database tables using hook_schema and .install files
- Write database queries and Introduction to Entity API
- Create a custom block via your module
- Theme the block and write CSS to style it
- Use t function and other sanitization functions to secure your module
- Use and create custom Drupal variables
- Explore the research functions in the Drupal API- Creating a full fledged Custom module