

Drupal

Duration : 32 Hrs

Pre-Requirement :

- PHP
- Object-oriented programming

Drupal Topic

Topics	Details
Drupal's requirements and how it works	<ul style="list-style-type: none">• Drupal 8 Basics<ul style="list-style-type: none">○ How Drupal began○ What is Drupal 8○ What Technology Does Drupal Use?• What is Drupal<ul style="list-style-type: none">○ Content Management System○ Content Management Framework○ Web Application Framework• Drupal terminology<ul style="list-style-type: none">○ Modules○ Themes○ Nodes○ Blocks
How drupal is different from other cms	<ul style="list-style-type: none">• Key terms or features in Drupal• Drupal's interface
Installing Drupal7 and drupal8	<ul style="list-style-type: none">• Downloading and installing Acquia/Drupal on a local PC
Drupal setup	<ul style="list-style-type: none">• Automating updates with cron• Setting up clean URLs• Backing up your Drupal site• Restoring your Drupal site from backup

	<ul style="list-style-type: none"> • Wiping your Drupal installation clean • Updating Drupal • Drupal Troubleshooting
Drupal Administration	<ul style="list-style-type: none"> • Administration menu • Site information • Setting the theme
Managing Users	<ul style="list-style-type: none"> • Security and permissions • Controlling site access with user management • Creating users • Setting user profiles • Creating contact forms
Site's Identity	<ul style="list-style-type: none"> • Node , basic info pages • Blocks and Regions • Default Blocks • Custom Blocks • Configuring Blocks • Enabling Default Blocks and Controlling the Front Page. • layout with blocks • Custom Content Types with the Fields Module <ul style="list-style-type: none"> ○ The PAGE and the ARTICLE ○ Input Filters ○ Creating Custom Content-Types ○ Field Permissions ○ Adding Custom Fields to Content-Types ○ Using the Manage Display Settings <ul style="list-style-type: none"> • Teaser / Body Displays • Labels • Display Formats
Keeping your Site Running	<ul style="list-style-type: none"> • Monitoring performance • Recovering from disasters • Improving administration

Building Content Nodes	<ul style="list-style-type: none"> • Nodes or page • Stories and article • blogs • forums • polls
Forms API	<ul style="list-style-type: none"> • FAPI, uugggh another acronym don't be scared FAPI is good • Why use an API? writing forms HTML is really easy! • A simple form • Validating the form • Submitting the form • hook_form_alter() hooks for forms! WOW, can you feel the power!
Custom nodes	<ul style="list-style-type: none"> • How to create a custom node • Why not just use CCK? A comparison • A node module's tacklebox hook_load, hook_update, hook_delete, etc.
Hooks & Theming	<ul style="list-style-type: none"> • We fishing or writing code? • Overview of what a hook is • Demonstration of a hook • Simple module implementing hook_nodeapi and drupal_set_message(\$op). • Naming conventions • Introduction to few important hooks: init, menu, nodeapi, block, user • How to create your own hooks for other modules
Managing Site Content	<ul style="list-style-type: none"> • Content categories • Exchanging content via RSS • Input filters • Comments • Site's Appearance with Themes and CSS • Choosing theme

	<ul style="list-style-type: none"> • Finding and installing a new theme
Cascading Style Sheets (CSS)	<ul style="list-style-type: none"> • Modifying CSS files
Modules	<ul style="list-style-type: none"> • Finding modules • Installing modules • Configuring modules
Creating Custom Module from scratch (i.e Ads Management Module)	<ul style="list-style-type: none"> • Declaring custom tables using hook_schema in .install file • Registering 2 menu for ads listing and ads add • Creating ads add page using form API, file upload system • Creating ads listing page using entityFieldQuery() • Creating new bloc using hook_block_info(), • Hook_block_configure(),hook_block_save() • Showing all ads in form add/edit page to select with checkbox • Saving form custom checked ads value in our custom table • Show ads on front end site using hook_block_view() <ul style="list-style-type: none"> - Testing and debugging our • Newly created module
Drupal Module Development Debug method	<ul style="list-style-type: none"> • Using Drupal Devel Module for better debug options. <ul style="list-style-type: none"> usage dpm(\$variable_name) • Understanding dpm(get_defined_vars()) to show available variable in the page • Using drupal inbuilt watchdog() function for debug log • Using simple & easy drupal_set_message(\$vars)
Custom Theme Development in drupal (Html to drupal theming)	<ul style="list-style-type: none"> • How theme layers can helps work together designer and coders • How to invoke a theme function, e.g theme_item_list() & theme_table()

	<ul style="list-style-type: none"> • Creating own theme function or creating templates • Preprocess a theme function to alter data • Adding css & js • Override template files
Database API	<ul style="list-style-type: none"> • Running drupal dynamic mysql query using db_select() • Insert Query • Update Query • Delete Query • Example to show latest members , recent comments • Rollback query using drupal Transactions
Must-Have Modules	<ul style="list-style-type: none"> • Automated updates with poormanscron • Custom content types with CCK • Views
Menus	<ul style="list-style-type: none"> • Multilevel menus • Custom menus
Drupal Data Fields	<ul style="list-style-type: none"> • Content Construction Kit (CCK) • Creating new content types with CCK • Hiding the Body field • CCK field data in the Title field • CCK field placement • CCK's other features • Other CCK field types • Date as a CCK field • Images as CCK fields • Connecting content to existing nodes
Taxonomies to categorize and group data	<ul style="list-style-type: none"> • Categorize and group data
Views basics: Advanced Displays With Contributed Module	<ul style="list-style-type: none"> • Overview of VIEWS • VIEW Types <ul style="list-style-type: none"> ○ Default Views ○ Normal Views • Displays

	<ul style="list-style-type: none"> ○ Basic Settings ○ Display Types ● Creating a VIEW With the VIEWS User Interface <ul style="list-style-type: none"> ○ Basic Settings ○ Fields vs Node ○ Filters ○ Arguments ○ Relationships
Working with theme	<ul style="list-style-type: none"> ● How to work with exiting theme ● How to modify exiting css in theme. ● Custom theme development ● Html to theme development ● Live project with theme development. ● Theme Templates ● The .info file ● Hooks ● Where are the files?
Working with mysql using drupal	<ul style="list-style-type: none"> ● Understanding all table purpose ● Main tables with intro
Google Multilingual Support system	<ul style="list-style-type: none"> ● Multilingual Support system
Panel and Layout	<ul style="list-style-type: none"> ● Layout structure
Creating theme in drupal	<ul style="list-style-type: none"> ● custom themes or html to drupal theme
Deployment of project into real server	<ul style="list-style-type: none"> ● live update
DRUSH	<ul style="list-style-type: none"> ● What is DRUSH ● Installation and Configuration ● Getting Started ● Useful Commands ● Database Updates ● Backup Site and Databases ● Summary of Commands ● Site Aliases ● Scripting with DRUSH

Application Training

SMESIndia