## Drupal

**Duration**: 32 Hrs

## Pre-Requirement :

- PHP
- Object-oriented programming

<u>Drupal Topic</u>	
Topics	Details
Drupal's requirements and how it	Drupal 8 Basics
works	o How Drupal began
	○ What is Drupal 8
	○ What Technology Does Drupal Use?
	What is Drupal     Content Management System
, C	○ Content Management Framework
	○ Web Application Framework
	Drupal terminology
Colly	o <b>Modules</b>
	⊙ Themes
	∘ Nodes
	o Blocks
How drupal is different from other cms	Key terms or features in Drupal
	Drupal's interface
Installing Drupal7 and drupal8	Downloading and installing Acquia/Drupal on a local
	PC
Drupal setup	Automating updates with cron
	Setting up clean URLs
	Backing up your Drupal site
	Restoring your Drupal site from backup

	Wiping your Drupal installation clean
	Updating Drupal
	Drupal Troubleshooting
Drupal Administration	Administration menu
	Site information
	Setting the theme
Managing Users	Security and permissions
	Controlling site access with user management
	Creating users
	Setting user profiles
	Creating contact forms
Site's Identity	Node , basic info pages
	Blocks and Regions
	Default Blocks
	Custom Blocks
	Configuring Blocks
, C	Enabling Default Blocks and Controlling the Front
	Page.
	• layout with blocks
	Custom Content Types with the Fields Module
	○ The PAGE and the ARTICLE
	o Input Filters
	Creating Custom Content-Types
	○ Field Permissions
	<ul> <li>Adding Custom Fields to Content-Types</li> </ul>
	<ul> <li>Using the Manage Display Settings</li> </ul>
	Teaser / Body Displays
	Labels     Display Formats
Keeping your Site Running	Monitoring performance
	Recovering from disasters
	Improving administration

Building Content Nodes	Nodes or page
	Stories and article
	• blogs
	• forums
	• polls
Forms API	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	How to create a custom node
	Why not just use CCK? A comparison
	• A node module's tacklebox hook_load, hook_update,
, C	hook_delete, etc.
Hooks & Theming	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	Content categories
	Exchanging content via RSS
	• Input filters
	Comments
	Site's Appearance with Themes and CSS
	Choosing theme
<u> </u>	

	Finding and installing a new theme
Cascading Style Sheets (CSS)	Modifying CSS files
Modules	Finding modules
	Installing modules
	Configuring modules
Creating Custom Module from scratch	Declaring custom tables using hook_schema in
(i.e Ads Management Module)	.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()
	<ul> <li>Creating new bloc using hook_block_info(),</li> </ul>
	Hook_block_configure(),hook_block_save()
	Showing all ads in form add/edit page to select with
, C	checkbox
	Saving form custom checked ads value in our
	custom table
C	Show ads on front end site using hook_block_view()
	- Testing and debuging our
	Newly created module
Drupal Module Development Debug method	Using Drupal Devel Module for better debug options.
metriou	usage dpm(\$vriable_name)
	<ul><li>Understanding dpm(get_defined_vars()) to show</li></ul>
	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)	
(Hami to arapar themmig)	and coders
	How to invoke a theme function, e.g
	theme_item_list() & theme_table()

Preprocess a theme function to alter data Adding css & js Override template files  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  Automated updates with poormanscron Custom content types with CCK Views  Menus  Automated in the Title field Cock 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 Images as CCK fields Connecting content to existing nodes  Taxonomies to categorize and group data Views basics: Advanced Displays With Contributed Module  Preprocess & js Overview of VIEWS VIEW Types Default Views Normal Views Displays		Creating own theme function or creating templates
Database API  - 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  - Automated updates with poormanscron - Custom content types with CCK - Views - Views - 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 field - Images as CCK field - Images as CCK field - Connecting content to existing nodes - Categorize and group data  Views basics: Advanced Displays With Contributed Module  - Overview of VIEWS - VIEW Types - Default Views - Normal Views		Preprocess a theme function to alter data
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○ Normal Views		• VIEW Types
		o Default Views
• Displays		o Normal Views
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	o Basic Settings
	o Display Types
	Creating a VIEW With the VIEWS User Interface
	o Basic Settings
	∘ Fields vs Node
	⊙ Filters
	o Arguments
	∘ Relationships
Working with theme	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
, C	Where are the files?
Working with mysql using drupal	Understanding all table purpose
	Main tables with intro
Google Multilingual Support system	Multilingual Support system
Panel and Layout	Layout structure
Creating theme in drupal	custom themes or html to drupal theme
Deployment of project into real server	live update
DRUSH	What is DRUSH
	Installation and Configuration
	Getting Started
	Useful Commands
	Database Updates
	Backup Site and Databases
	Summary of Commands
	Site Aliases
	Scripting with DRUSH

Creating Interactive Forms with the Webforms module	Webforms module
Applica	ation Training