

Training Day 13 Report

Date: 14 July 2025

S.T.E.P – Science & Technology Entrepreneurs' Park, GNDEC, Ludhiana

Topic Covered: Introduction to Drupal & Local Setup

Introduction

On Day 13 of our MERN Stack training, we were introduced to **Drupal**, an open-source content management system (CMS). Drupal allows developers and non-developers to create, manage, and organize website content with minimal coding.

What is Drupal?

- **Drupal** is a powerful CMS built on **PHP** and **MySQL**.
- It is widely used for building dynamic websites, blogs, corporate portals, and e-commerce platforms.
- Drupal is **modular**, **secure**, and **highly customizable**.

Key Features of Drupal

- Built-in user authentication and role management
- SEO-friendly architecture
- Thousands of community-developed **modules** and **themes**
- Powerful admin interface for content and layout management
- Multilingual support and accessibility features

System Requirements

- PHP version 8.1 or higher
- MySQL 5.7+ or MariaDB
- Apache or Nginx server (usually through XAMPP or LAMP)

- Composer (for managing dependencies)

Steps to Set Up Drupal Locally (Using XAMPP)

1. Download Drupal

Visit the official Drupal website:

<https://www.drupal.org/download>

2. Extract Drupal Files

Extract the downloaded .zip file into the **htdocs** folder in the XAMPP directory.

Example path:

C:\xampp\htdocs\drupal

3. Start XAMPP Services

Open XAMPP Control Panel and start:

- **Apache**
- **MySQL**

4. Create a Database

Open <http://localhost/phpmyadmin>

Create a new database, e.g., `drupal_db`

5. Run Drupal Installation

Open a browser and go to:

<http://localhost/drupal>

Follow the on-screen installation steps:

- Choose language
- Select installation profile
- Enter database details
- Set up admin account and site configuration

Activities Performed

- Downloaded and extracted Drupal
- Configured database in phpMyAdmin
- Installed Drupal through browser setup wizard
- Explored Drupal dashboard and learned how to:
 - Add basic pages and articles
 - Change site name and logo
 - Navigate modules and themes

Task of the Day

- Complete the local setup of Drupal
- Create a simple homepage using Drupal's built-in editor
- Explore admin dashboard and list 3 key settings (e.g., site info, user management, appearance)