



Under the aegis of Vijayam Educational Trust

CATALYST COLLEGE

(A Unit of CIMAGE Group of Institutions)

Institution approved by Education Department, Government of Bihar, Affiliated to Patliputra University, Patna



Ref: ...cc/w.RSP/22/42/47 .

Date: 25-Oct-2022

NOTICE

This is to inform all the Students that a workshop on Drupal for Digital Transformation: Harnessing Its Power for Modern Web Projects will be organized on 12.11.2022 from 9:30 AM to 5:30 PM in the auditorium of Catalyst College.

The workshop is completely free, and no money will be charged for the Training or Certification.

Interested students are instructed to meet the Activity In-Charge / Class Coordinator for more details and their registration.

By the order of

Principal 
Principal
CATALYST COLLEGE
Plot No.- C-16(P) Patliputra Industrial Area
Patliputra, Patna-13

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Patliputra, Patna- 800013



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Date: 12.11.2022

Workshop Title:

Drupal for Digital Transformation: Harnessing Its Power for Modern Web Projects

Number of Students Participated: 51

Overview:

This workshop is designed to introduce participants to Drupal, one of the most powerful open-source content management systems (CMS), and how it can be leveraged for digital transformation in modern web projects. Whether you are building a website, an enterprise portal, or a complex content-driven platform, Drupal provides the flexibility, scalability, and tools needed to stay competitive in the digital world.

Through this hands-on workshop, attendees will explore how Drupal can facilitate seamless digital transformation, optimize user experience, and integrate various web technologies to drive business growth.

Model 1: Introduction to Drupal and Its Core Concepts

Session 1: Getting Started with Drupal

- What is Drupal?: Overview of Drupal as a CMS and its role in digital transformation.
- Drupal Architecture: Understanding Drupal's modular architecture, core components, and key features.
- Drupal 9 vs. Drupal 10: Overview of the latest version, features, and improvements.

Session 2: Building a Basic Website with Drupal

- Installation and Setup: Installing Drupal locally and on a server.
- Creating Content Types: Setting up pages, articles, and custom content types.
- Building a Simple Website: Creating menus, blocks, and basic themes using Drupal.

Session 3: Exploring Drupal's Content Management Features

- Content Creation & Management: How to create and manage dynamic content in Drupal.



- Taxonomy & Categorization: Using tags, categories, and metadata to organize content.
 - Managing Media: Integrating media files, images, and videos into your Drupal site.
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Model 1: Leveraging Drupal for Digital Transformation

Session 1: Understanding Digital Transformation in the Context of Drupal

- The Role of Drupal in Digital Transformation: Why Drupal is an ideal choice for businesses undergoing digital transformation.
- Flexible Content Delivery: Leveraging Drupal's flexibility to manage and distribute content across various channels and devices.
- Omnichannel Strategy: How to create consistent, personalized experiences across web, mobile, and other digital touchpoints.

Session 2: Drupal for Enterprise Solutions

- Scalability and Performance: How Drupal can scale to meet the demands of large organizations.
- Multi-Site Management: Using Drupal to manage multiple websites and content from a single installation.
- Drupal in Multi-Language and Multi-Region Projects: Leveraging Drupal's language features for global projects.

Session 3: Enhancing User Experience and Personalization with Drupal

- User Roles & Permissions: Understanding Drupal's powerful user management system to create personalized user experiences.
 - Personalized Content Delivery: Using Drupal's content targeting and personalization modules to create tailored content.
 - Responsive Design: Implementing mobile-first design principles and optimizing Drupal for various screen sizes and devices.
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Model 3: Advanced Drupal Features for Modern Web Projects

Session 1: Integrating Drupal with External Systems

- Third-Party Integrations: Connecting Drupal to CRMs, marketing platforms (like Salesforce, HubSpot), social media, and other enterprise tools.
- API-First Approach: Exploring Drupal's RESTful API capabilities to enable headless CMS and API-driven development.

- Connecting with Data Sources: Integrating with databases, legacy systems, and external APIs for richer content and functionality.

Session 2: Drupal for E-commerce and Digital Marketing

- Drupal Commerce: Setting up and configuring an e-commerce platform using Drupal Commerce.
- Digital Marketing with Drupal: Integrating SEO, analytics, and marketing automation tools within Drupal for enhanced customer engagement.
- Content Strategies for Lead Generation: Best practices for leveraging Drupal's content management capabilities to drive digital marketing campaigns.

Session 3: Drupal and Automation for Business Efficiency

- Automating Workflows: Using Drupal's Workflow and Rules modules to automate content approval, publishing, and other business processes.
- Integration with CRM/ERP Systems: Using Drupal to create streamlined workflows between customer data, sales, and marketing.
- Continuous Integration/Continuous Deployment (CI/CD): Automating Drupal site deployments to streamline web development processes.

Model 4: Optimizing Drupal Projects for Performance, Security, and Maintenance

Session 1: Performance Optimization in Drupal

- Caching Strategies: Implementing caching to speed up site performance and reduce server load.
- Content Delivery Networks (CDN): Integrating CDNs to optimize load times globally.
- Database Optimization: Best practices for optimizing Drupal's database for large-scale sites.

Session 2: Security Best Practices for Drupal Sites

- Drupal Security Features: Understanding Drupal's built-in security mechanisms, including roles, permissions, and user authentication.
- Securing Web Applications: Protecting Drupal from common threats (SQL injection, XSS attacks) and ensuring secure hosting practices.
- Security Updates and Patching: Best practices for staying updated on security vulnerabilities and patches.

Session 3: Long-Term Maintenance and Upgrades

- Managing Drupal Upgrades: How to efficiently manage and upgrade Drupal installations.
 - Content Migration: Migrating content and configurations when upgrading or changing Drupal versions.
 - Maintaining a Drupal Website: Setting up ongoing maintenance practices for performance monitoring, backups, and updates.
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Model 5: Hands-On Project and Closing

Session 1: Hands-On Project: Building a Digital Transformation Solution with Drupal

- Practical Project: Participants will build a digital transformation solution using Drupal. This may include creating a multi-site platform, integrating external tools, and personalizing the user experience.
- Group Work: Working in teams to simulate a real-world project scenario, participants will implement features they've learned throughout the workshop.

Session 2: Q&A and Problem-Solving Session

- Addressing Questions: Open floor for participants to ask any questions about Drupal implementation or specific challenges they are facing.
- Troubleshooting Common Issues: Discussing common problems encountered while using Drupal and providing solutions.

Session 3: Final Thoughts and Certification

- Final Remarks: Summing up key learnings and how to implement Drupal for digital transformation.
 - Certification: Participants receive a Certificate of Completion recognizing their proficiency in using Drupal for digital transformation projects.
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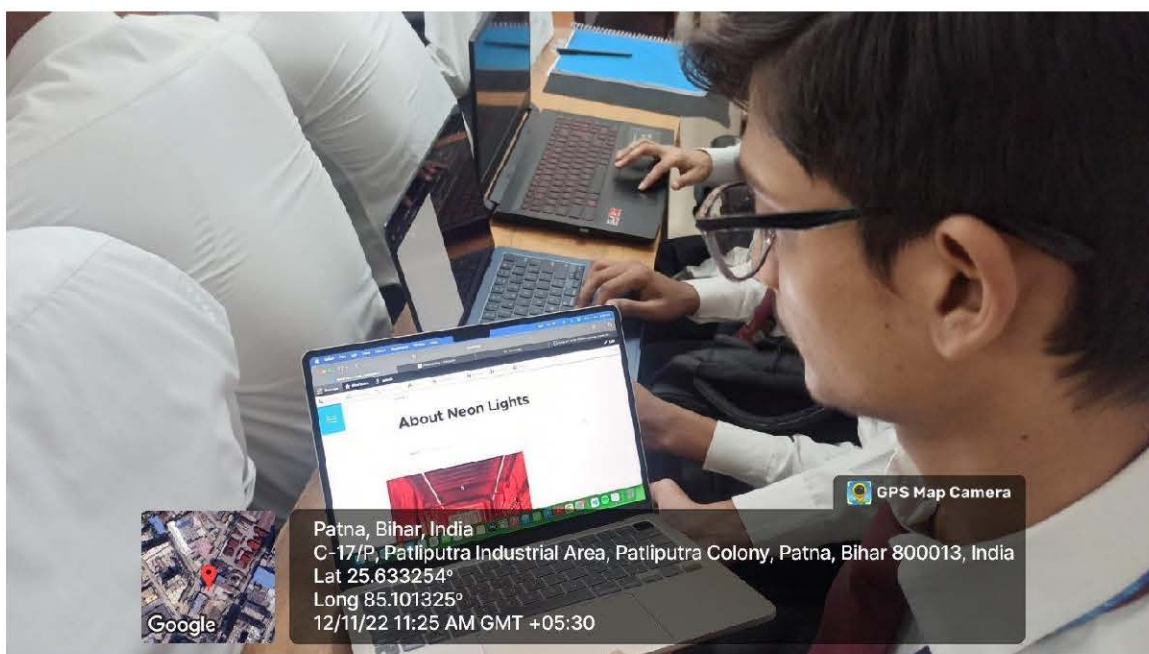
Key Takeaways:

- A comprehensive understanding of Drupal's capabilities for enterprise-level web projects.
- Hands-on experience in building websites and digital solutions using Drupal.
- Insights into integrating Drupal with modern marketing, CRM, and e-commerce systems for a connected digital ecosystem.
- Best practices for optimizing, securing, and maintaining a high-performing Drupal website.

Drupal for Digital Transformation: Harnessing Its Power for Modern Web Projects

Date:-12/11/2022





Drupal for Digital Transformation:
Harnessing Its Power for Modern Web Projects Date:-12/11/2022

Registration

For Workshops/Seminars/Conferences during Academic Year 2022-2023

Drupal for Digital Transformation: Harnessing Its Power for Modern Web Projects

(2 November 2022)

S. No.	ID	Name of the student	Student's Signature
1	445-7865	Abhishek Kumar Sahu	Abhishek Kumar Sahu
2	445-7860	Aditya Kumar	Aditya
3	445-7896	Aditya Kumar	Aditya Kumar
4	445-8307	Ajit Kumar	Ajit Kumar
5	445-7949	Akash Kumar	Akash Kumar
6	445-7881	Akriti Kumari	Akriti Kumari
7	445-7878	Amit Kumar	Amit Kumar
8	445-7950	Ankit Kumar	Ankit Kumar
9	445-7898	Anmol Ratna	Anmol Ratna
10	445-8160	Anshu Bharti	Anshu Bharti
11	445-7837	Anshu Kumar	Anshu Bharti
12	445-7901	Chandan Kumar	Chandan
13	445-8212	Deepak Kumar	Deepak Kumar
14	445-8253	Gaurav Raj	Deepak Kumar
15	445-8248	Gurudev Kumar	Gurudev Kumar
16	445-7913	Himanshu Raj	Himanshu
17	445-7990	Himanshu Singh	Himanshu Singh
18	445-7948	Indrajeet Kumar	Indrajeet
19	445-7829	Jitesh Kumar	Jitesh
20	445-7841	Kaushal Chaudhary	Jitesh Kumar
21	445-7811	Keshav Kumar Jha	Keshav
22	445-7911	Kundan Kumar	Kundan Kumar
23	445-7915	Manish Kumar	Manish
24	445-8203	Md. Hamid Ahmad	Md. Hamid Ahmad.
25	445-8219	Md. Mahfuz	Md. Mahfuz
26	445-7853	Mithalesh Kumar	Mithalesh Kumar
27	445-8078	Nikita Nidhi	Nikita Nidhi
28	445-7894	Niraj Kumar	Niraj Kumar
29	445-8348	Pankaj Kumar	Pankaj Kumar
30	445-7966	Purushottam Kumar	Purushottam Kumar
31	445-7956	Rahul Raj	Rahul Raj
32	445-7851	Raj Kumar	Raj Kumar

33	445-7813	Rajnish Kumar	Rajnish Kumar
34	445-7888	Rama Kumar	Rama
35	445-7801	Ritik Kumar	Ritik Kr.
36	445-7981	Ritik Kumar	Ritik
37	445-7880	Rohit Kumar	Rohit Kumar
38	445-7856	Rohit Raj	Rohit
39	445-7916	Sachin Singh	Sachin Singh
40	445-7885	Saheb Kumar Ray	Saheb.
41	445-8215	Sandeep Kumar	Sandeep.
42	445-7924	Sanjeev Kumar	Sanjeev.
43	445-7986	Sarfraj Hussain	Sarfraj Hussain
44	445-7833	Saurabh Kumar	S. Kumar
45	445-7803	Shivam Gupta	Shivam Gupta
46	445-7806	Shivam Kumar	S. Kr.
47	445-8214	Shreekant Kumar	Shreekant Kumar
48	445-8151	Shubham Kumar	Shubham Kr.
49	445-7843	Shubham Raj	Shubham Raj.
50	445-7873	Sikandar Chauhan	Sikandar Chauhan
51	445-8213	Soniya Sah	Soniya Sah

(Sign.)

Course Coordinator