

**Course Description:** This comprehensive course provides an in-depth understanding of WordPress development. Participants will learn how to build dynamic and customizable websites using WordPress as a content management system (CMS). Through a combination of lectures, hands-on exercises, and projects, students will gain the skills necessary to develop and deploy their own WordPress websites.

## WordPress Development Course

### Module 1: Introduction to WordPress

- Overview of WordPress as a CMS
- Understanding the WordPress architecture
- Setting up a development environment for WordPress

### Module 2: WordPress Basics

- Installing and configuring WordPress
- Creating and managing posts, pages, and categories
- Customizing WordPress themes and templates
- Working with widgets and menus

### Module 3: WordPress Theme Development

- Introduction to theme development
- HTML and CSS fundamentals for WordPress themes
- Creating custom templates and template hierarchy
- Adding custom functionality to themes

### Module 4: Plugin Development

- Introduction to WordPress plugins
- PHP fundamentals for plugin development
- Creating custom plugins

- Extending and modifying existing plugins

### Module 5: Customizing and Extending WordPress

- Customizing the WordPress admin area
- Working with custom fields and meta boxes
- Adding custom post types and taxonomies
- Integrating third-party APIs and services

### Module 6: WordPress Security and Performance

- Common security vulnerabilities in WordPress and best practices
- Implementing user authentication and access control
- Optimizing WordPress for performance and scalability
- Caching and optimizing database queries

### Module 7: WordPress E-commerce Development

- Introduction to e-commerce with WordPress
- Setting up and configuring WordPress e-commerce plugins

- Building and managing online stores with WordPress
- Payment gateway integration and order management

## Module 8: WordPress Multisite

- Understanding WordPress Multisite functionality
- Creating and managing a network of WordPress sites
- Configuring and customizing multisite features
- Managing users and permissions in a multisite environment

## Module 9: WordPress SEO and Analytics

- Optimizing WordPress websites for search engines
- Implementing SEO best practices
- Integrating Google Analytics and tracking website performance
- Monitoring and analyzing website traffic and user behavior