# Performance Analysis of WordPress

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*Abstract*— **The Development of Web application using WordPress because WordPress is easier platform for developing an web application, the WordPress is very simple or best way. When we have to make a web application that time WordPress theme, plugins, widgets are plays very important role in doing web application**
***Keywords:*** *WordPress, web application, themes, plugin, widget.*

## I INTRODUCTION

WordPress is free and powerful technology used in the world for developing a professional business web application, so it is 90% used in IT industry. WordPress is the most simple and easier way of developing the web application. We can develop a web application in a localhost i.e. using offline server or in a network i.e. using online server also. WAMP, LAMP AND XAMP local offline server can be used in a WordPress.

WordPress having different type of a versions like 4.9.1, 4.9.2, 4.9.3, 4.9.4 and4.9.6 etc. The latest version of WordPress is 4.9.6. And all the versions are compatible with 32 bit and 64bit operating system.

The WordPress having different type of setting. WordPress provide multiple option when we select the theme, plugin and widget that multiple themes, plugin and widget are available then we choose any one as suitable for the web application.it also provides the offline editing system. We can design a web application offline by using WAMP OR XAMP local server.

WordPress is 'Blogging' system. Blog means "Allow to another user who insert our own information."

**Features:-**

1. Search Engine Optimization is ready and it is SEO friendly.
2. Increased security.
3. Responsive web design themes and plugins are available.
4. Easily upgrade your sites capabilities.
5. Ideal for aggressive content marketing.
6. Ultimate social media integration.
7. In wordpress constant code making then idea for google indexing.
8. Easy to change the themes.
9. It is free of cost.

## II INSTALLING WAMP/XAMP/LAMP

1. Open the internet browser.
2. Then search a WAMP/XAMP/LAMP for 32 bit/64 bit and then download it.
3. The zip file will be downloaded then extract it into a file.
4. Then install a WordPress in your PC.

## III HOW TO INSTALL A WORDPRESS

1. First install XAMP/WAMP on your PC.
2. Then open htdocs (XAMP) or www (WAMP) directory.
3. Here create a new folder.
4 Then Extract the WordPress folder and paste all the files in the new created directory.
5. Start XAMP/WAMP server.
6. On the browser we can search a localhost then open phpMyadmin.
7. Then create a new database.
8. By using these database create a new login ID and Password.
9. Using these login ID and Password we can install WordPress.

## IV HOW TO UPLOAD TO ONLINE WORDPRESS

1. First open your htdocs/www directory as the WAMP/XAMP.
2. Select your website folder.
3. Convert this folder into the zip format i.e. extract the file.
4. Open php My Admin, Select your database and export your database.
5. This will create database name. SQL file.
6. Zip file format is uploaded to the Online WordPress.
7. Then extract these files.
8. Then copy this folder into the new folder.
9. And do the same steps for WordPress.

## V WHY USE WORDPRESS

1. Easy to setup, manage, and Update.
2. Create your blog or website.
3. Free plugins and themes are available.
4. Search engine is friendly.
5. Compatible with mobile, laptop and Tablets.
6. Wordpress is open source.
7. It provides better User Authentication.

**Advantages:-**

1. Designing and development in wordpress having extremely high cost.
2. You can manage web application from any computer.
3. It is easy to use for making application.
4. WordPress is self-content system.
5. WordPress is not require HTML editing software.
6. Your website is fully 100% customizable.
7. A blog is built in and ready to go.

8. It provides multiple users like dealer, owner, etc.

9. Extent the functionality of your site by using plugins.

10. Themes and plugins are Compatible with the system.

**Disadvantages:-**

1. It have unsecure CMS platform because hackers usually target the WordPress.

2. Documentation are Incomplete and inconsistent.

3. It having complex technical code.

4. WordPress does not provide Technical support i.e. helpdesk to their end user.

5. For the multiple configuration process require deep technical knowledge about html and CSS.

6. WordPress can only utilize MySQL as database.

7. Most of the web developer discontinue working on WordPress so it written in PHP.

8. Automatic working in more of a bane a boon.

9. Incompatible with web app development tools.

10 .Expensive paid themes and plugins as the need of a user.

## VI APPLICATION

1. WordPress was easy for the designing and developing the blog.

2. Wordpress used for the database connectivity.

3. WordPress is also used in theming.

4. User Registration and login purpose WordPress is used.

5. For multiple user platform it is easily customizable.

6. For Security purpose Wordpress is used.

## VII CONCLUSION

While WordPress is not perfect for all web application needs, it can be a very useful tool for certain types of web apps.

## REFERENCE

1. www.w3school.com
2. www.wpguide.com