**For personal study (PHP, Wordpress, WooCommerce, Laravel, Magneto, Linux Server, Networking [SFTP, SMTP, FTP, SSH, SSL, Cache], apache, )**

**GADITEK TRAINEE PROGRAM**

**Task 1: (24/01/2022)**

1. Built Wordpress website form LAMP Server

2 . Installation :-

**1. sudo apt-get update**

**2. sudo apt-get upgrade**

**3. Sudo apt-get install apache2 (apache web-server)**

**4. Sudo systemctl enable apache2**

**5. sudo systemctl status apache2 Then a server page will show ( by typing your ip address or localhost in a Browser )**

**7. sudo apt install mysql-server**

**8. sudo mysql\_secure\_installation ( say yes for everything)**

**9. sudo systemctl enable mysql**

**10. sudo apt install php libapache2-mod-php php-mysql ( additional modules )**

**11. For checking version php -v or php –version**

**12. Install wordpress in root directory *var*/www/html.**

**13. In the root file download wordpress using command wget -c http://wordpress.org/latest.tar.gz**

**14. Then extract files tar -xvzf latest.tar.gz.**

**15. Now change the owner for using the web server sudo chown -R www- data:www-data/var/www/html/wordpress**

**16. Then create database using MySQL**

**17. Type mysql -u root -p**

**18. Then run the commands :**

**CREATE DATABASE wordpress\_db; ( or any name )**

**CREATE USER** [**wordpress\_user@localhost**](mailto:wordpress_user@localhost) **IDENTIFIED BY ‘strong- passowrd’;**

**Note:**

**Do look up for password that is if your mysql uses LOW, MEDIUM or STRONG password by using command** SHOW VARIABLES LIKE 'validate\_password%'**;if you have a LOW password 8 characters, MEDIUM 8, numeric, mixed case, and special characters, STRONG 8, numeric, mixed case, special characters and dictionary file.**

**Link : https://ostechnix.com/fix-mysql-error-1819-hy000-your-password-does-not-satisfy-the-current-policy-requirements/**

**19. Then check the wp-config.php file, make sure you are in sudo root mode otherwise you can’t edit or access the file.**

**20. Write these commands:**

**/**/ \*\* MySQL settings - You can get this info from your web host \*\* //

/\*\* The name of the database for WordPress \*/

define('DB\_NAME', 'wordpress\_db');

/\*\* MySQL database username \*/

define('DB\_USER', 'wordpress\_user');

/\*\* MySQL database password \*/

define('DB\_PASSWORD', 'strong-password');

/\*\* MySQL hostname \*/

define('DB\_HOST', 'localhost');

/\*\* Database Charset to use in creating database tables. \*/

define('DB\_CHARSET', 'utf8');

/\*\* The Database Collate type. Don't change this if in doubt. \*/

define('DB\_COLLATE', '');

Save the file now go to your browser **https://server\_ip\_address/wordpress**

**21. Now configure Virtual host write command nano /etc/apache2/sites- available/mydomain.com.conf**

**<VirtualHost \*:80>**

ServerAdmin admin@mydomain.com

ServerName mydomain.com

ServerAlias www.mydomain.com

DocumentRoot /var/www/html/wordpress

ErrorLog ${APACHE\_LOG\_DIR}/mydomain.com\_error.log

CustomLog ${APACHE\_LOG\_DIR}/mydomain.com\_access.log combined

</VirtualHost>

**22. Enable virtual host a2ensite mydomain.com.conf**

**23. ln -s /etc/apache2/sites-available/mydomain.com.conf /etc/apache2/sites-enabled/**

**24. systemctl restart apache2**

**Task 2 (25/01/2022):**

Study about Cloudways. You will be assigned to different groups. This will be group task that every person has to gather enough information about cloudways.