WT Laboratory 6

Laboratory Continuous Assessment (LCA)[*Refer Rubric table in WTL manual]

Understanding of the Objective (5)	Performance (5)	Journal Submission and Ethics (Neatness, Handwriting, Timely submission) (5)	Orals (5)	Total (20)	Remarks	Instructor's Sign

Aim:
   a) **Understanding the concept of Content Management System and its use**
   b) **Creating Free Blog/Website**

Objectives:
1. To understand various Content Management Systems

2. To understand use of Content Management System for creating free blog/ website

Theory:
1. Concept of Content Management Systems (CMS) and its use

2. Various CMS environments

3. Steps to create and publish free blog/website using CMS?

FAQ:
1. What is CMS? What are the different CMS available today?

2. Compare between different CMS

3. What is the use of categories for the blog posts?

4. What do you mean by primary domain and secondary domain?

5. How to interact with the database from CMS?

   (Minimum 3 handwritten pages)

Note: Student is expected to attach this page as a title page of an assignment.

Content Management System (CMS)

A content management system, often abbreviated as **CMS**, is software that helps users create, manage, and modify content on a website without the need for specialized technical knowledge.
In simpler language, a content management system is a tool that helps you build a website without needing to write all the code from scratch (or even know how to code at all).

Instead of building your own system for creating web pages, storing images, and other functions, the content management system handles all that basic infrastructure stuff for you so that you can focus on more forward-facing parts of your website.

Popular CMS

WordPress is the best example of a popular content management system. WordPress maintains over a 62% market share on websites with a known content management system.

Beyond the self-hosted WordPress software, other popular content management systems include:

- Joomla
- Drupal
- Magento (for eCommerce stores)
- Squarespace
- Wix
- TYPO3

CMS can be used to create essentially any type of website (Static websites, Blogs, eCommerce stores, Forums, Social networks, Online courses, Membership sites, Portfolios)
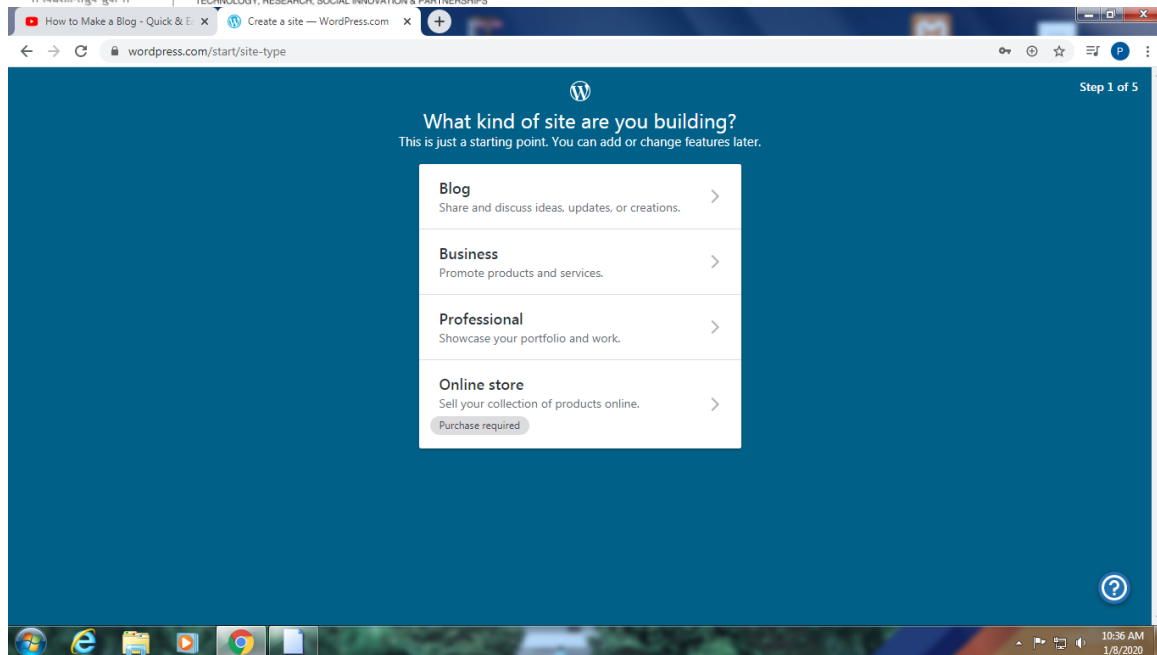
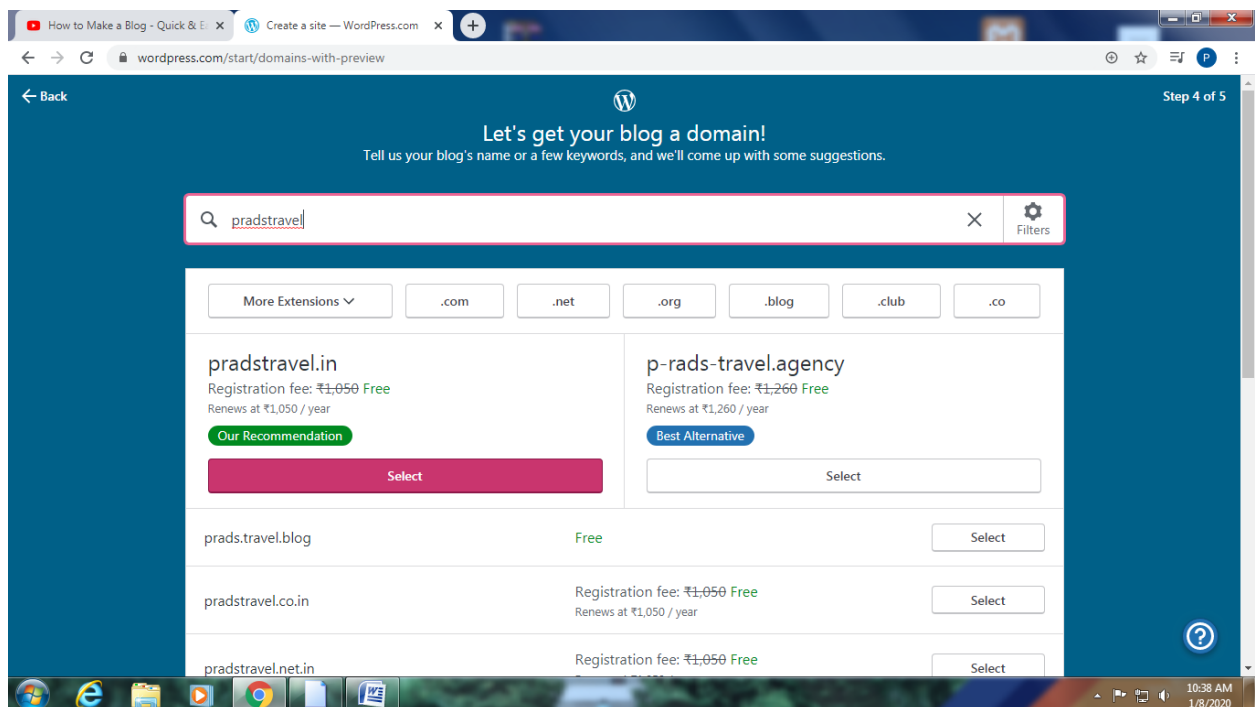**Steps to create free blog/website using Wordpress**

Step1: Signup

Go to www.wordpress.com and create your account or login with your Google account

Step2: Getting free domain and hosting service

Once you login to the wordpress you can choose the option of creating free domain or paid one. You can choose if you are going for a blog or different types of websites for various purposes as below.

Then you are going to choose the domain name as below. Once you have chosen the domain name then you will get a dashboard where you can start creating your blog. Click on the 'My Site' and you can see the various options to add things to your blog/website
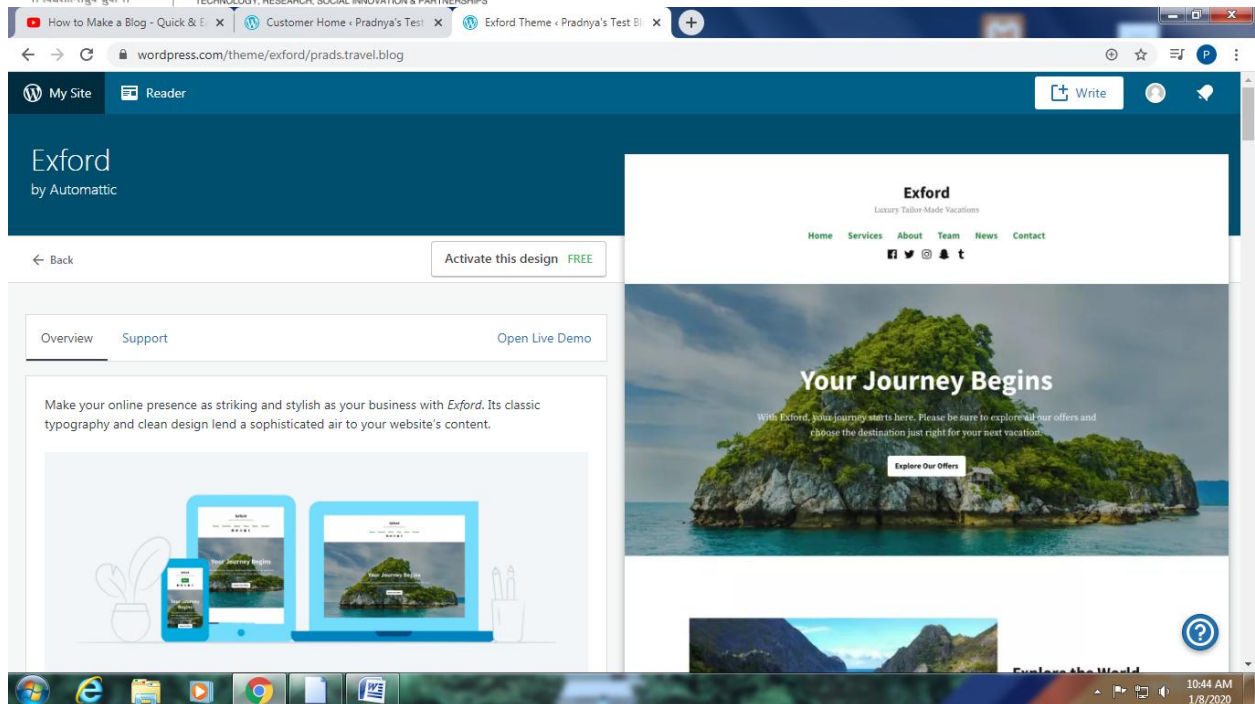

Step 3: Installing a new Theme

To install a new theme Choose Design-> Themes

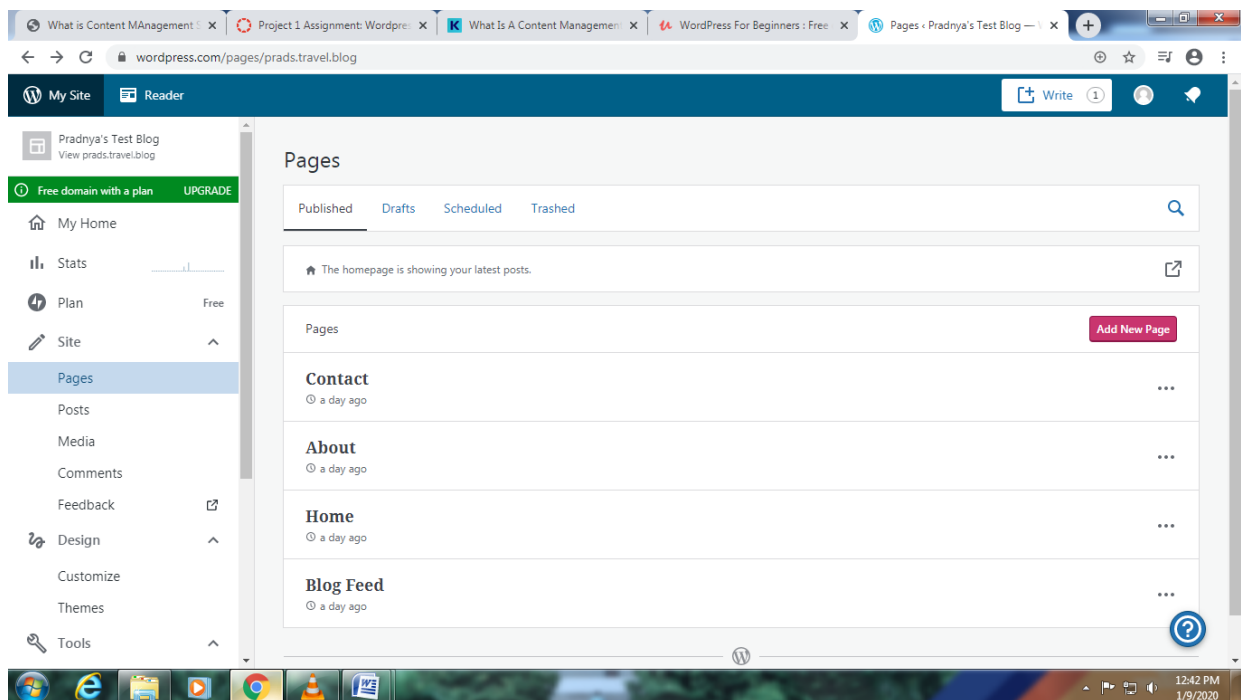All the available themes will be displayed. Some of them are free some of them are paid.

Select any free theme for your blog and the click on 'Activate this Design'
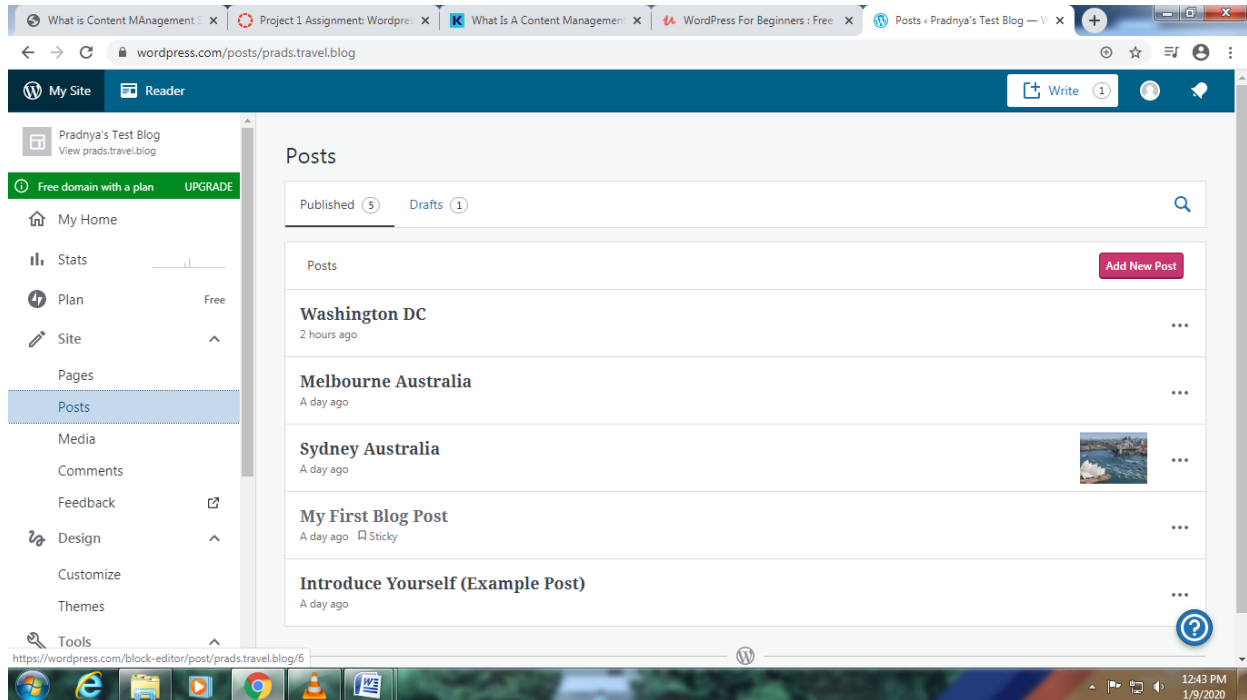
Step 4: Adding static pages

To add static pages to your blog like 'About us', 'Contact'

Choose Site->Pages->Add New Page

Step 5: Creating blog posts
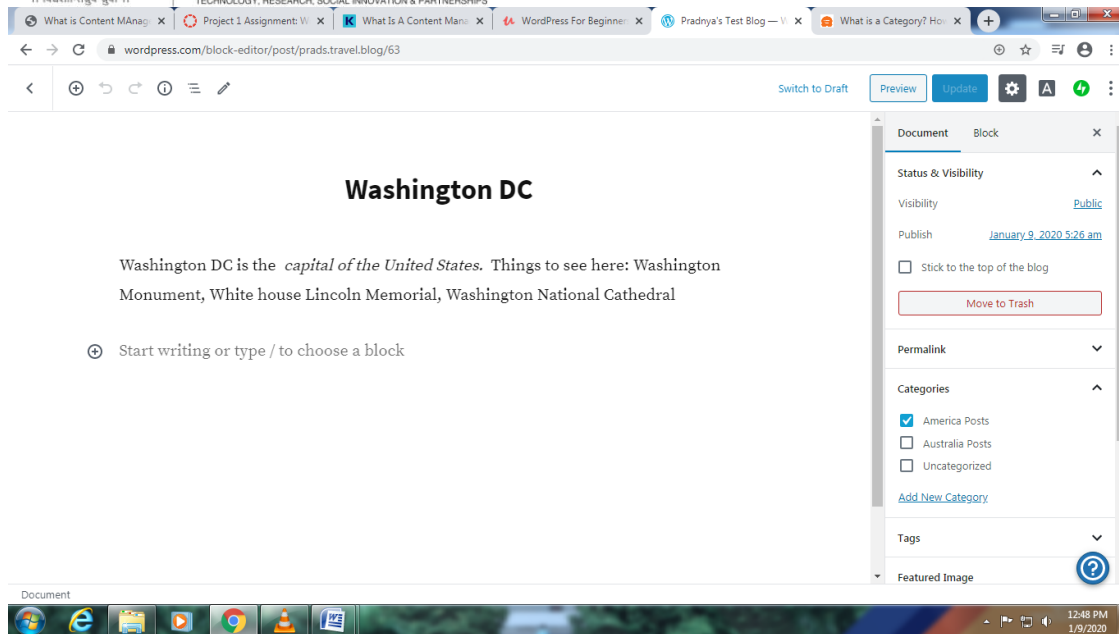
To add new posts choose Site->Posts->Add New Post

Step 6: Adding categories to the blog posts

Categories are used to sort and group content into different sections. A website publishing content on a variety of topics can divide their website into sections using categories. **Example:** A news website can have categories for articles filed under News, Opinion, Weather, Sports, etc.

To add assign categories to a post go to Site->Posts->Edit Post

You can add new category or set existing category of the post

Step 7: Creating Menus for navigation

Select My Site-> Customise->Menus->Create New Menu

You can choose the location of the menu on the page. Then you can add items to your menu using

'Add Menu Item' and choosing the pages/categories of posts created earlier

Step 8: Publishing the blog and accessing it.

After creating the pages and blogs click on the 'Publish' button so that your blog/site is

live on the internet. Anyone would be able to access your blog/site using the domain name you selected.

Ref:
https://www.slideshare.net/CrestTechnoSoft/wordpress-ppt-63470822
https://websitesetup.org/build-website-with-joomla/
https://websitesetup.org/build-website-drupal/

Conclusion:
In this way we have used the Content Management System to create a free blog/web site