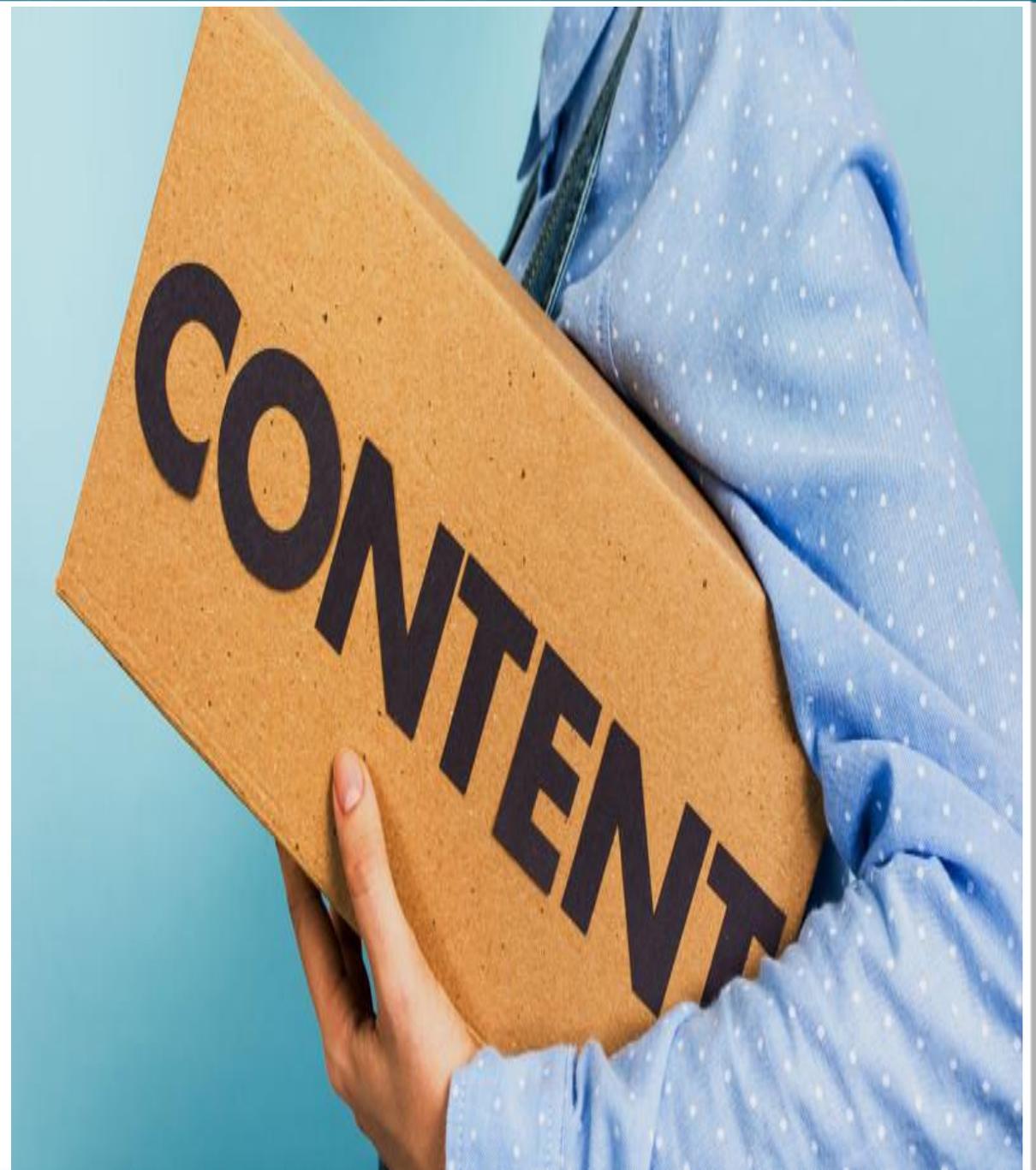


How to Develop a Blog

Dr. Budditha Hettige
Department of Computer Engineering
Faculty of Computing

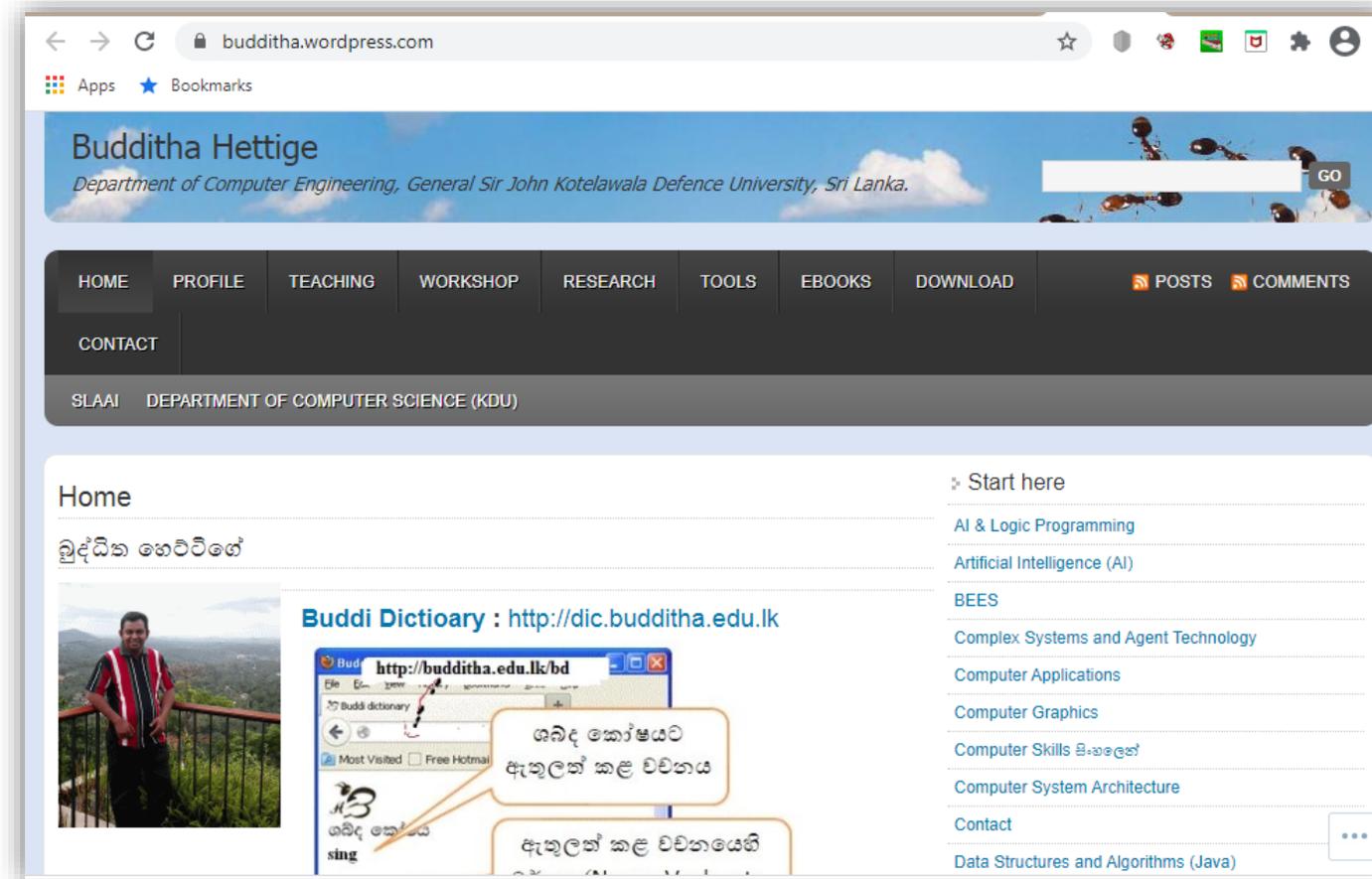
Contents

- Introduction
 - What is a Blog?, Blog vs Website,
- Content Management System
 - What is a CMS, Existing CMSs
- WordPress
 - Facilities, Limitations
- Steps to Develop a Blog
- Customize your Blog
 - Appearance, Menu, Pages, Media
- Activities
 - Create your own Blog



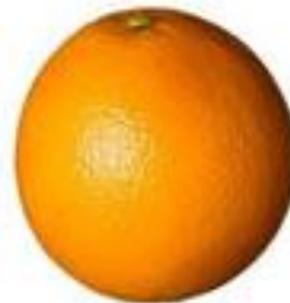
Introduction

A blog is a discussion or informational **website** published on the World Wide Web consisting of discrete, often informal diary-style Post. (Wikipedia)



Introduction contd.

- Many blogs provide commentary on a particular subject or topic
- The term "weblog" was coined by **Jorn Barger** on 1997
- Blogs also run on **CMS** (*Content Management System*)
 - *KDU-LMS, website are runs on WordPress CMS*
- **WordPress** is the most powerful and popular CMS
- There are more than 70,000,000 WordPress blogs.



Website

- Static
- Basic Information
- Once and Done
- Inbound Marketing
- Lack of Authority
- Limited SEO

Blog

- Dynamic
- Extensive Information
- Care and Feeding
- Inbound and Outbound
- Builds Credibility
- Massive SEO

Source: <https://curatti.com/websites-vs-blogs/>

List of Best CMS for Blogging

- Word Press
- Blogger
- Ghost
- Movable Type
- Squarespace
- Joomla



WordPress

- WordPress is free, open-source, and easy to use, even for a beginner
- WordPress can power multiple types of websites, including blogs.
- WordPress powers more than 30% of the entire web



Compare WordPress.com pricing and plans

		Free	Personal	POPULAR Premium	Business	eCommerce
Jetpack Essential Features						
Pre-Installed SSL Certificate						
Free Domain for One Year		—				
Unlimited Email Support		—				
Basic Live Chat Support		—	—			
24/7 Priority Live Chat Support		—	—	—		
NEW Personalized Expert Support Sessions		—	—	—	—	
Storage Space		3 GB	6 GB	13 GB	200 GB	200 GB

Compare WordPress.com pricing and plans

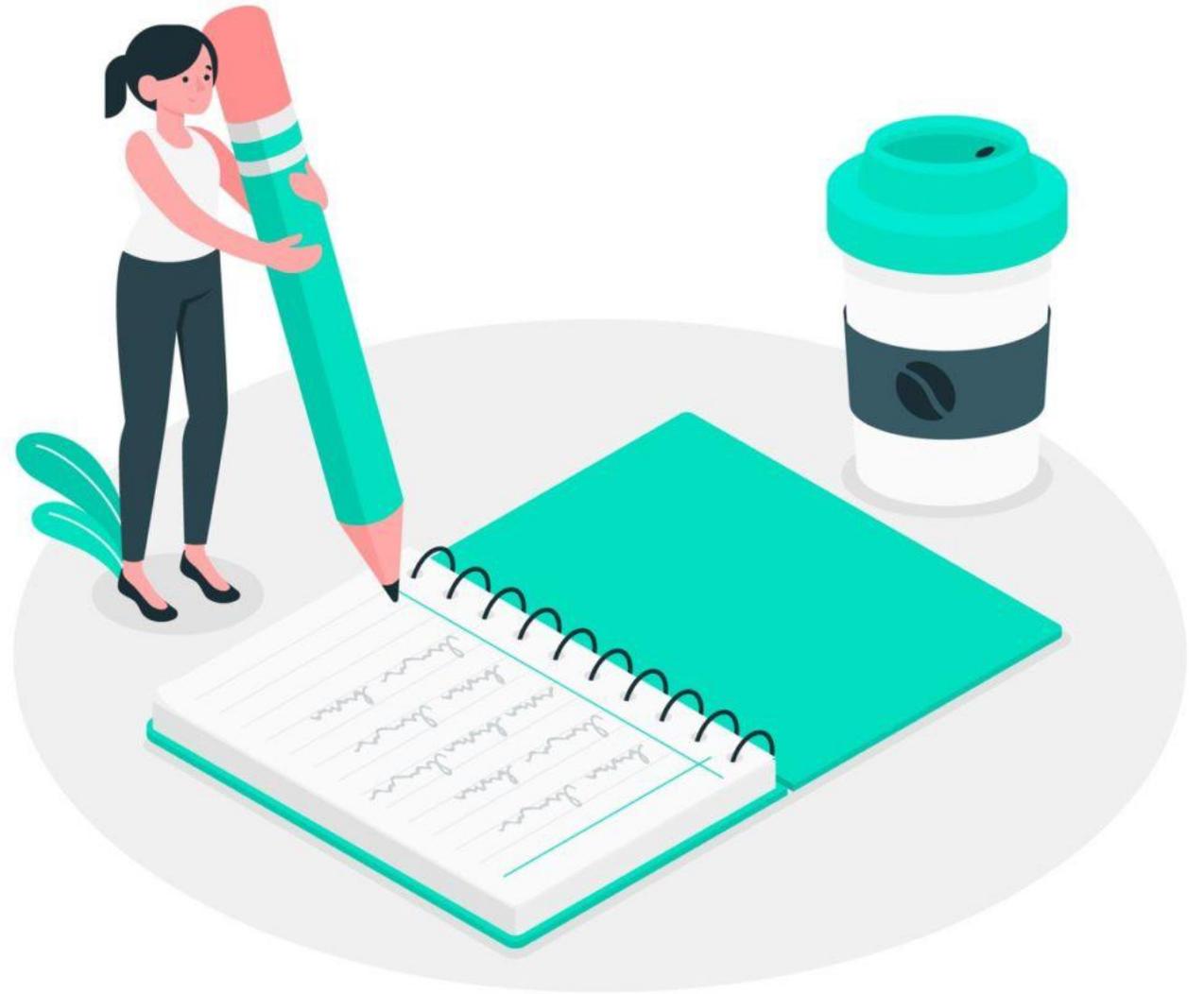
Site Customization		FREE	PERSONAL	PREMIUM	BUSINESS	ECOMMERCE
Dozens of Free Themes (i)		✓	✓	✓	✓	✓
Custom domain as default web address (i)		—	✓	✓	✓	✓
Remove WordPress.com Ads (i)		—	✓	✓	✓	✓
Unlimited Premium Themes (i)		—	—	✓	✓	✓
Advanced Design Customization (i)		—	Basic	✓	✓	✓

Sign Up		FREE	PERSONAL	PREMIUM	BUSINESS	ECOMMERCE
Monthly Subscription billed yearly		—	\$4	\$8	\$25	\$45
		Sign up	Sign up	Sign up	Sign up	Sign up

Steps for Blogging

- Select a content management system
 - Here we use WordPress
- Create a user account
 - Account for WordPress
- Build a Blog using WordPress
- Build a home page
- Add Posts
- Customize the web
 - Select the Theme
 - Customize the menu
 - Add Posts, Pages
 - Manage user accounts and comments

Let's Blogging

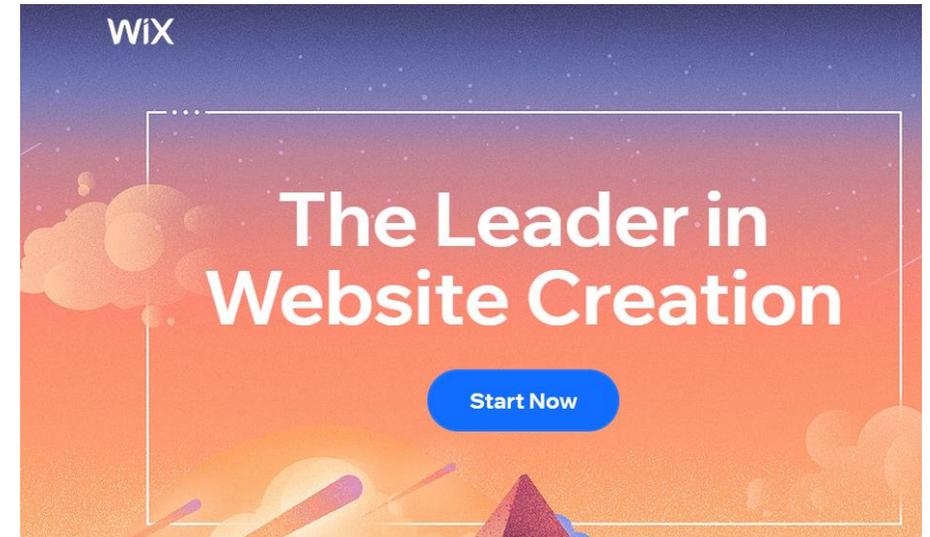
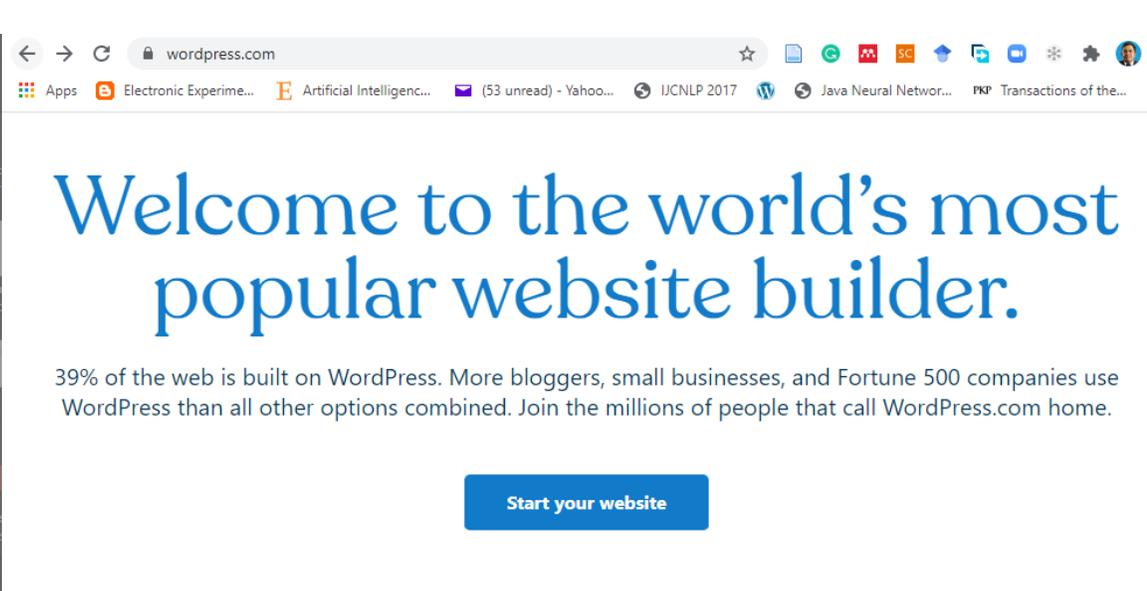


What do you need to start a WordPress blog?

- There are three things

1. A **domain name** idea (this will be the name of your blog
i.e wpbeginner.com, budditha.wordpress.com, budditha.edu.lk)
1. A **web hosting account** (this is where your website live on the internet)
2. Your attention for 30 minutes.

Step 1. Select a domain



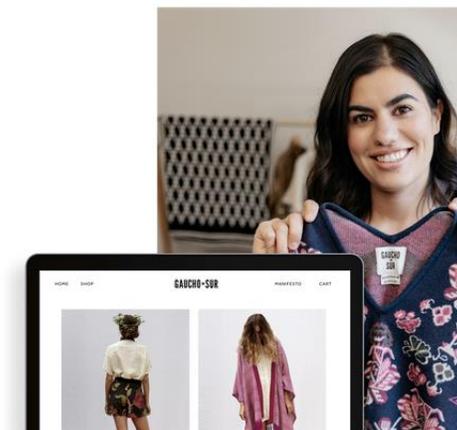
weebly

Create your professional website

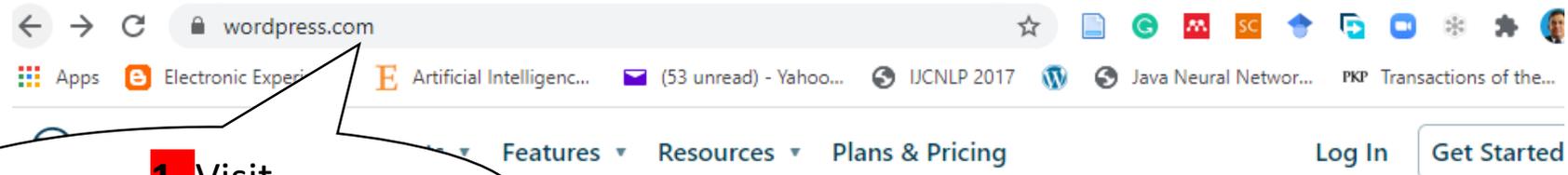
Discover customizable website designs and useful eCommerce tools to help grow your business.

Website

Online Store



Step 2: A web hosting account



Welcome to the world's most popular website builder.

39% of the web is built on WordPress. More bloggers, small businesses, and companies use WordPress than all other options combined. Join the millions of people who have made WordPress.com home.

2. Click here

Start your website

Step 2: A web hosting account

Step 1 of 3

Let's get started
First, create your WordPress.com account

Your email address
budditha@kdu.ac.lk

Choose a username
buddithakdu

Choose a password
.....

By creating an account, you agree to our [Terms of Service](#).

Create your account

Or create an account using:

Continue with Google

3. Add your email address

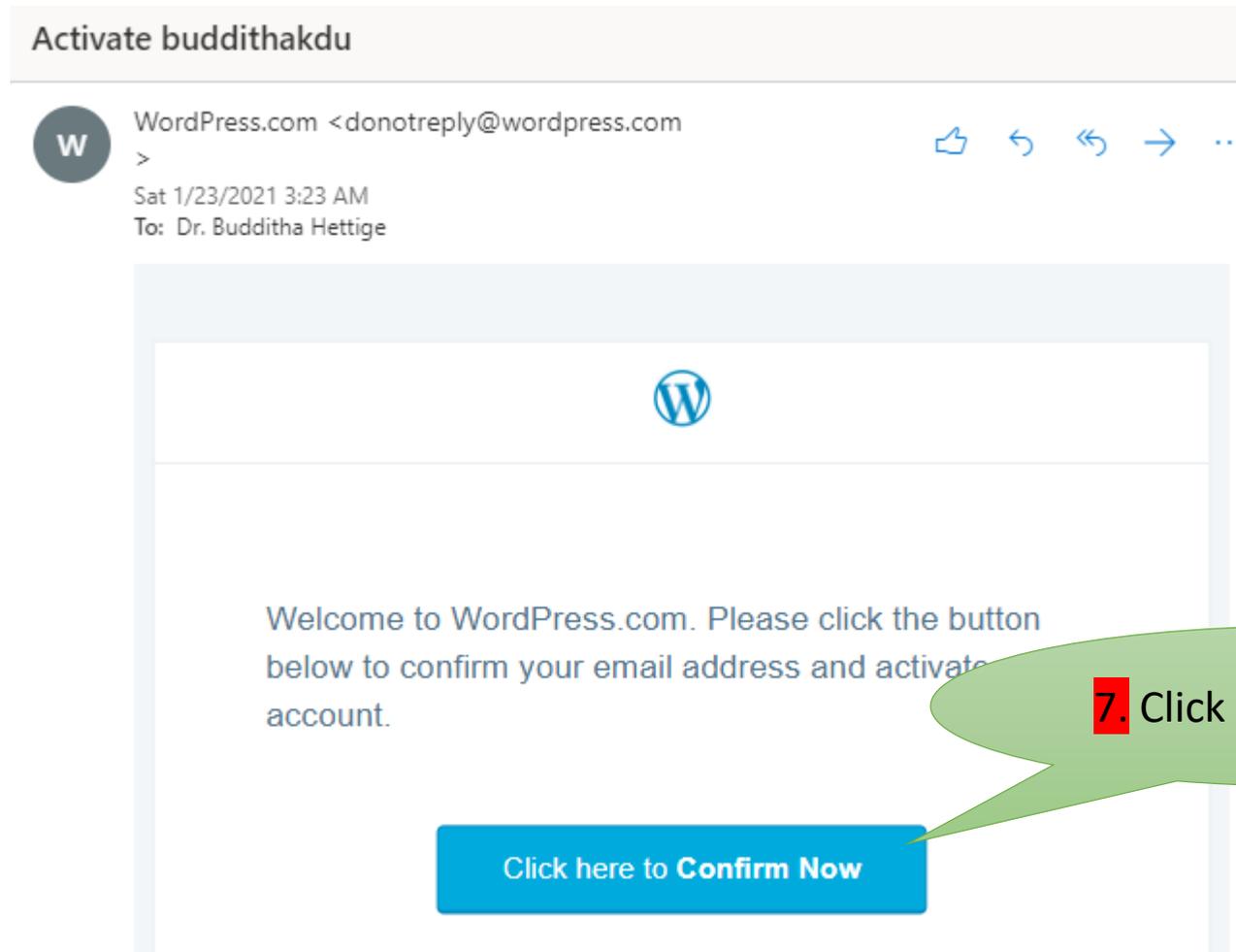
4. Add suitable username

5. Add suitable password

6. Click here to next step

OR Click here to use existing Gmail account

Confirm your email address



7. Click here to confirm

Select a domain

← Back Step 2 of 3

Let's get your site a domain!
Enter your site's name or some keywords that describe it to get started.

X Filters

Get a free one-year domain registration with any paid annual plan. We'll pay the registration fees for your new domain when you choose an annual plan. You can claim your free custom domain later if you aren't ready yet. [Review our plans to get started.](#)

More Extensions ▾.com.net.org.blog.club.co

<p>buddilab.com Registration fee: \$18 Free Renews at \$18 / year</p> <p style="background-color: #28a745; color: white; padding: 2px; border-radius: 10px; display: inline-block;">Our Recommendation</p>	<p>buddilab.blog Registration fee: \$22 Free Renews at \$22 / year</p> <p style="background-color: #17a2b8; color: white; padding: 2px; border-radius: 10px; display: inline-block;">Best Alternative</p>
<div style="background-color: #e91e63; color: white; padding: 5px; border-radius: 5px; width: 100%;">Select</div>	<div style="border: 1px solid #ccc; padding: 5px; width: 100%;">Select</div>
<p>buddilab.wordpress.com Free</p>	<div style="border: 1px solid #ccc; padding: 5px; width: 100%;">Select</div>
<p>buddilab.org Registration fee: \$18 Free Renews at \$18 / year</p>	<div style="border: 1px solid #ccc; padding: 5px; width: 100%;">Select</div>

8. Type some name

Names are changed based on your selection

9. Select this for free

Pick a plan that's right for you

← Back Step 3 of 3

Pick a plan that's right for you.
Choose a plan or [start with a free site.](#)

Pay monthly Pay annually

Personal	Premium Popular	Business	eCommerce
Best for personal use	Best for freelancers	Best for small businesses	Best for online stores
\$4 per month billed annually	\$8 per month billed annually	\$25 per month billed annually	\$45 per month billed annually
Start with Personal	Start with Premium	Start with Business	Start with eCommerce
Boost your website with a custom domain name, and remove all WordPress.com advertising. Unlock unlimited, expert email support.	Build a unique website with advanced design tools, CSS editing, lots of space for audio and video, Google Analytics support, and the ability to monetize your site with ads.	Power your business website with custom plugins and themes, unlimited premium and business theme templates, 200 GB storage, and the ability to remove WordPress.com branding.	Sell products or services with this powerful, all-in-one online store experience. This plan includes premium integrations and is extendable, so it'll grow with you as your business grows.
<small>INCLUDED WITH ANNUAL PLANS</small> Free domain for one year ⓘ	<small>INCLUDED WITH ANNUAL PLANS</small> Live chat support ⓘ	Upload themes and plugins ⓘ	Accept payments in 60+ countries ⓘ
Unlimited email support ⓘ	Advanced customization ⓘ	Advanced SEO tools ⓘ	Integrations with top shipping carriers ⓘ
Dozens of free themes ⓘ	All Personal features ⓘ	All Premium features ⓘ	All Business features ⓘ

10. Click here to start

My Site Reader

Write

Site Title
View buddilab.wordpress.com
Coming Soon

Free domain with a plan Upgrade

My Home Setup

- Stats
- Plan Free
- Site
- Jetpack
- Design
- Tools
- Manage
- WP Admin
- Add new site

Tasks to complete

My Home

Your home base for posting, editing, and growing your site.

Visit site

Complete

Your site has been created!

Next, we'll guide you through setting up and launching your site.

Get started

Wordpress CMS

- ### Site setup
- ✓ Site created
 - Name your site
 - Create a site menu
 - Update your Home page
 - Launch your site
 - ✓ Confirm your email address
 - Get the WordPress app

Video: Getting started on WordPress.com

This video tour of WordPress.com will show you everything you need to know to start building your website.



Quick links

- Edit homepage
- Add a page



Your site hasn't been launched yet. Only you can see it until it is launched.

Dismiss

Launch site

Site Title

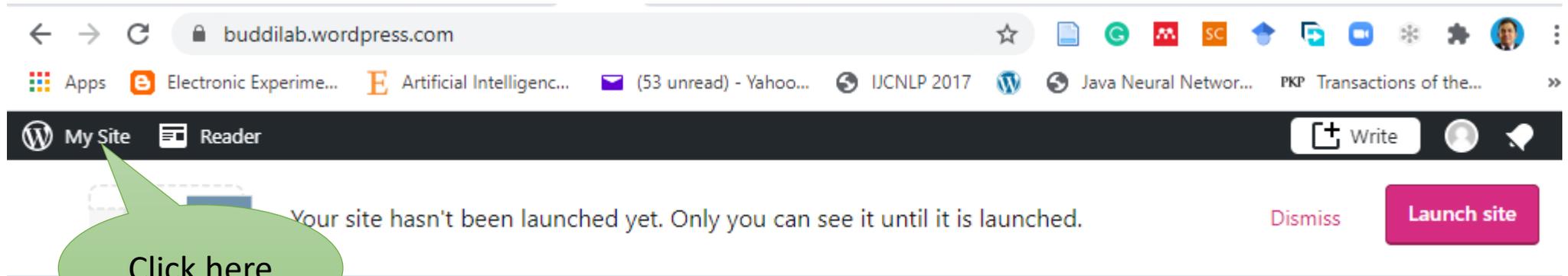
[Home](#) [Blog](#) [About](#) [Contact](#)

Welcome to your new site.

Welcome to your new site! You can edit this page by clicking on the Edit link. For more information about customizing your site check out <http://learn.wordpress.com/>

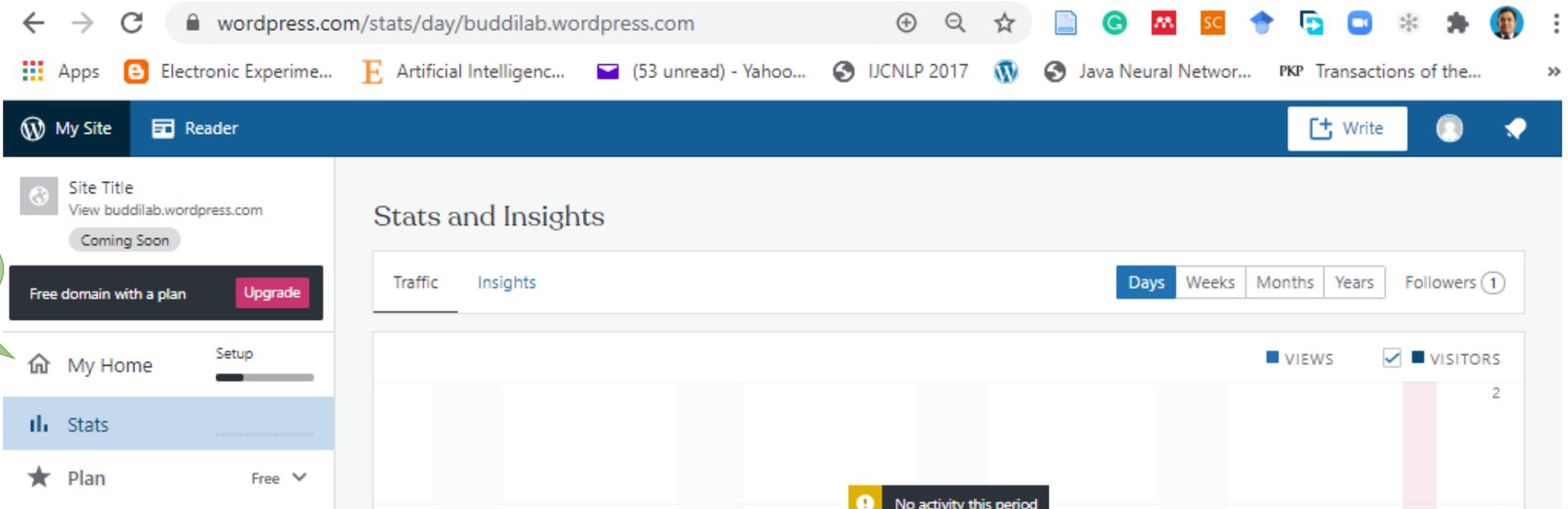
Learn more

Back to CMS



The screenshot shows the WordPress dashboard for 'buddilab.wordpress.com'. At the top, there's a navigation bar with 'My Site' and 'Reader' tabs. Below it, a message states: 'Your site hasn't been launched yet. Only you can see it until it is launched.' To the right of this message are two buttons: 'Dismiss' and 'Launch site'. A green speech bubble with the text 'Click here' points to the 'Launch site' button.

Click here



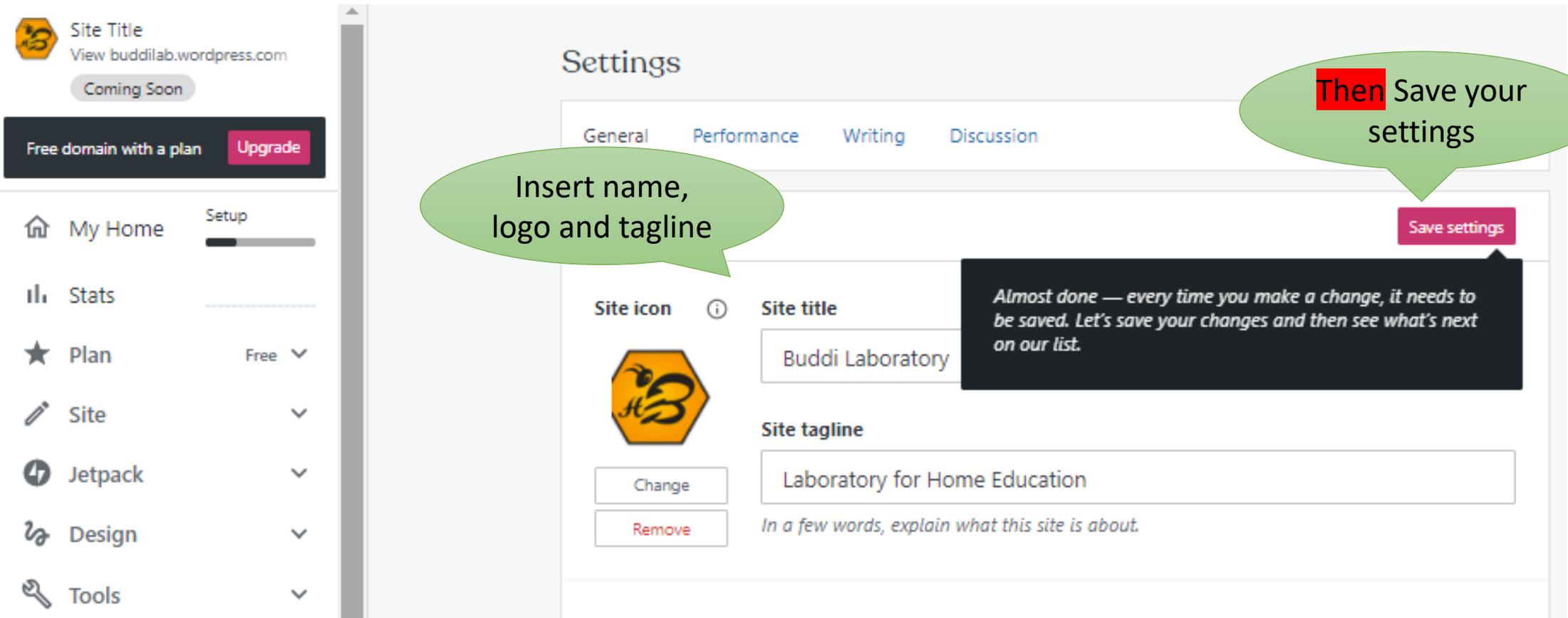
The screenshot shows the 'Stats and Insights' page for 'buddilab.wordpress.com'. The page is divided into two main sections: 'Traffic' and 'Insights'. The 'Traffic' section is currently selected. Below the navigation tabs, there are buttons for 'Days', 'Weeks', 'Months', 'Years', and 'Followers (1)'. A bar chart is visible, showing a single bar with a value of 2. The legend indicates that the bar represents 'VISITORS'. A yellow warning icon at the bottom of the chart says 'No activity this period'. On the left side, there's a sidebar with navigation options: 'My Home', 'Stats' (which is highlighted), and 'Plan'. A red box highlights the word 'Then' in a speech bubble pointing to the 'Stats' option.

Then Click here

Name your site

The screenshot shows the WordPress dashboard for a new site. The top navigation bar includes 'My Site', 'Reader', and a 'Write' button. The left sidebar contains navigation options: 'My Home' (selected), 'Stats', 'Plan' (Free), 'Site', 'Jetpack', 'Design', 'Tools', and 'Manage'. The main content area is titled 'My Home' and features a 'Name your site' section with a 1-minute timer and a 'Name your site' button. A green callout bubble with the text 'Click here to name your site' points to this button. To the right, a 'Site setup' sidebar lists tasks: 'Site created' (checked), 'Name your site' (selected), 'Create a site menu', 'Update your Home page', 'Launch your site', and 'Confirm your email address' (checked).

Name your site



The screenshot shows the WordPress Settings page, specifically the General tab. The left sidebar contains navigation links: My Home (Setup), Stats, Plan (Free), Site, Jetpack, Design, and Tools. The main content area is titled 'Settings' and has sub-tabs for General, Performance, Writing, and Discussion. The 'General' tab is active, showing fields for Site icon, Site title, and Site tagline. The Site icon field contains a yellow hexagonal logo with a stylized 'B' and a bird. The Site title field contains 'Buddi Laboratory'. The Site tagline field contains 'Laboratory for Home Education'. A 'Save settings' button is visible in the top right corner. A green speech bubble points to the Site icon field with the text 'Insert name, logo and tagline'. Another green speech bubble points to the 'Save settings' button with the text 'Then Save your settings'. A black notification box in the center-right of the settings area contains the text: 'Almost done — every time you make a change, it needs to be saved. Let's save your changes and then see what's next on our list.'

Site Title
View buddilab.wordpress.com
Coming Soon

Free domain with a plan Upgrade

My Home Setup

Stats

Plan Free

Site

Jetpack

Design

Tools

Settings

General Performance Writing Discussion

Site icon Site title

Buddi Laboratory

Site tagline

Laboratory for Home Education

In a few words, explain what this site is about.

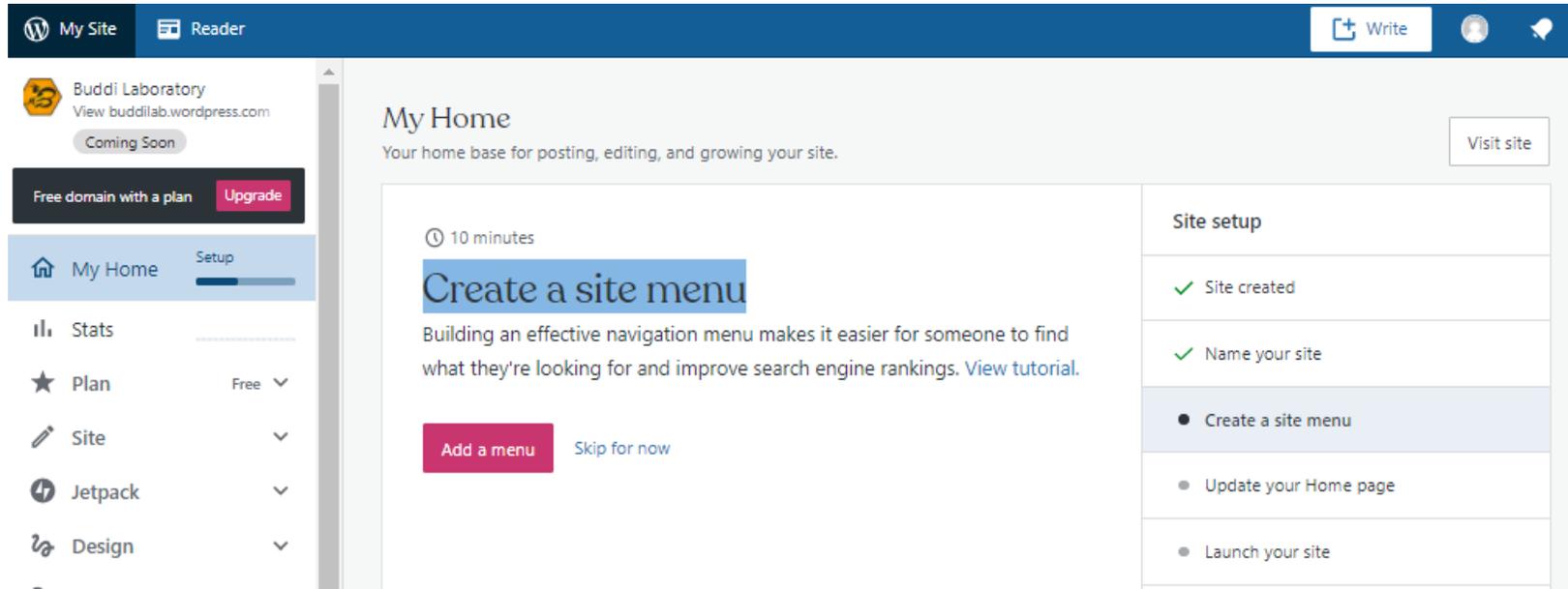
Save settings

Insert name, logo and tagline

Then Save your settings

Almost done — every time you make a change, it needs to be saved. Let's save your changes and then see what's next on our list.

Create a site Menu



You have a site map then **add a menu** or **skip for now**

Home **Academic** **Teaching** **Tools** **Ebooks** **DIY** **Research** **Contact**

Launch your site

The screenshot shows the WordPress dashboard for a site named 'Buddi Laboratory'. The main content area features a 'My Home' section with a 'Launch your site' button. A green callout bubble points to this button with the text 'Click here'. To the right, a 'Site setup' sidebar lists several tasks, with 'Launch your site' highlighted. The top navigation bar includes 'My Site', 'Reader', and 'Write' buttons.

My Site Reader Write

Buddi Laboratory
View buddilab.wordpress.com
Coming Soon

Free domain with a plan Upgrade

My Home Setup

Stats

Plan Free

Site

Jetpack

Design

Customize

Themes

My Home
Your home base for posting, editing, and growing your site. Visit site

1 minute

Launch your site

Your site is private and only visible to you. When you're ready, launch your site to make it public.

Launch site

Click here

Site setup

- ✓ Site created
- ✓ Name your site
- Create a site menu
- Update your Home page
- **Launch your site**
- ✓ Confirm your email address

← Back to My Sites



Step 1 of 4

Let's get your site a domain!

Enter your site's name or some keywords that describe it to get started.

🔍 Type the domain you want here

buddilab.com

First year included in paid plans

Renewal: \$18.00 /year

Select

buddilab.blog

First year included in paid plans

Renewal: \$22.00 /year

Select

Already own a domain?

You can use it as your site's address.

Use a domain I own >

buddilab.wordpress.com

This is your current free site address.

Skip Purchase >

Click here

← Back



Step 2 of 4

Getting ready to launch your website

Choose a plan or [start with a free site](#)

Pay monthly

Pay annually

Click here

Personal

Best for personal use

\$4 per month

billed annually

Select Personal

Boost your website with a custom domain name, and remove all WordPress.com advertising. Unlock

Premium

Best for freelancers

Popular

\$8 per month

billed annually

Select Premium

Build a unique website with advanced design tools, CSS editing, lots of space for audio and video,

Business

Best for small businesses

\$25 per month

billed annually

Select Business

Power your business website with custom plugins and themes, unlimited premium and business

eCommerce

Best for online stores

\$45 per month

billed annually

Select eCommerce

Sell products or services with this powerful, all-in-one online store experience. This plan includes

← Back



Step 3 of 4

Congrats, buddilab.wordpress.com is almost ready!

You can buy a custom domain to make your site address easier to share and remember. When a visitor uses your custom domain they will be re-directed to buddilab.wordpress.com

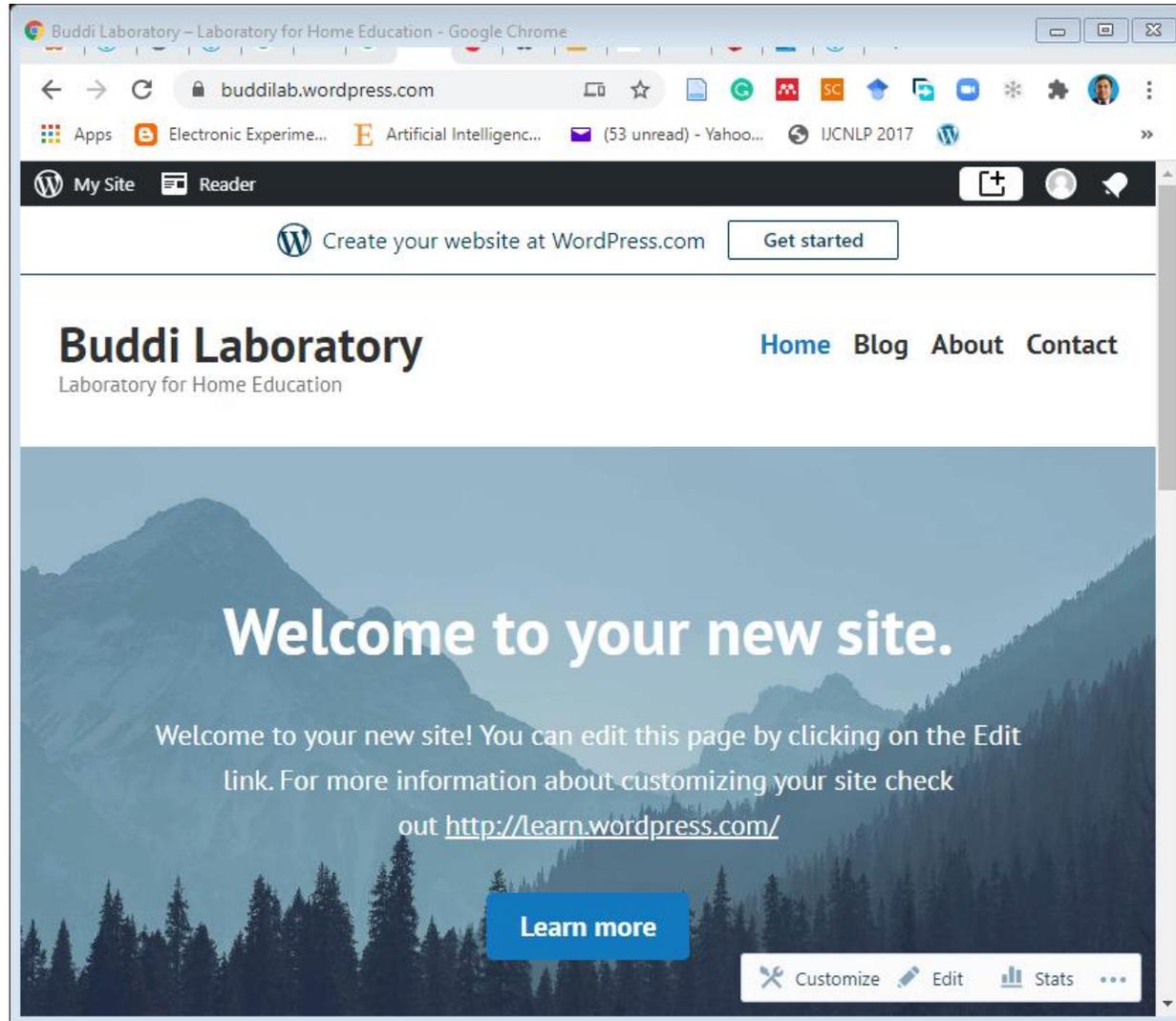
- | | | |
|----------------------------------|------------------------------------|--|
| <input checked="" type="radio"/> | buddilab.com
Recommended | Registration fee: \$18
Renews at \$18 / year |
| <input type="radio"/> | buddilab.net | Registration fee: \$18
Renews at \$18 / year |
| <input type="radio"/> | buddilab.org | Registration fee: \$18
Renews at \$18 / year |

Use buddilab.com

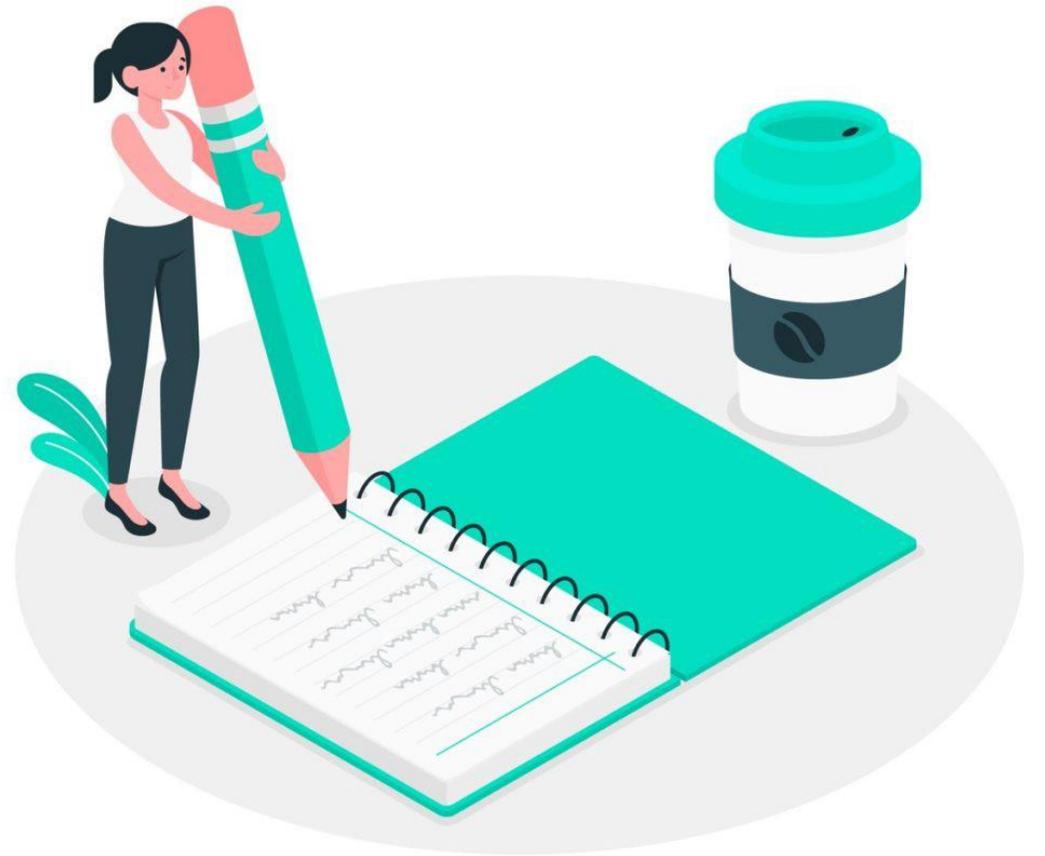
No thanks, I'll stick with buddilab.wordpress.com

Click here

Your Blog

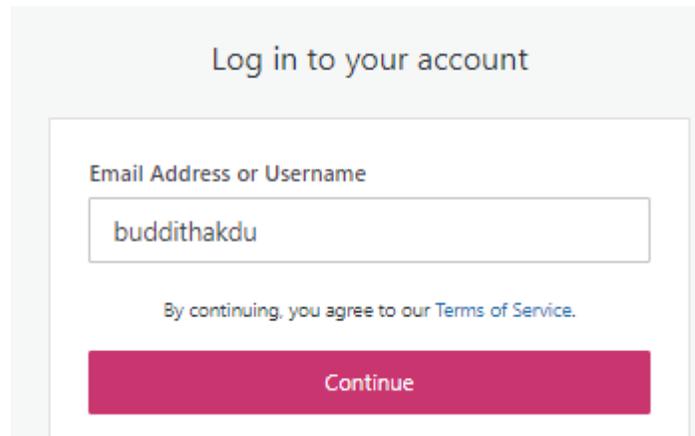


Customize your Blog



Login as Admin

- Login to
 - Wp-admin
 - Example: <https://buddilab.wordpress.com/wp-admin/>

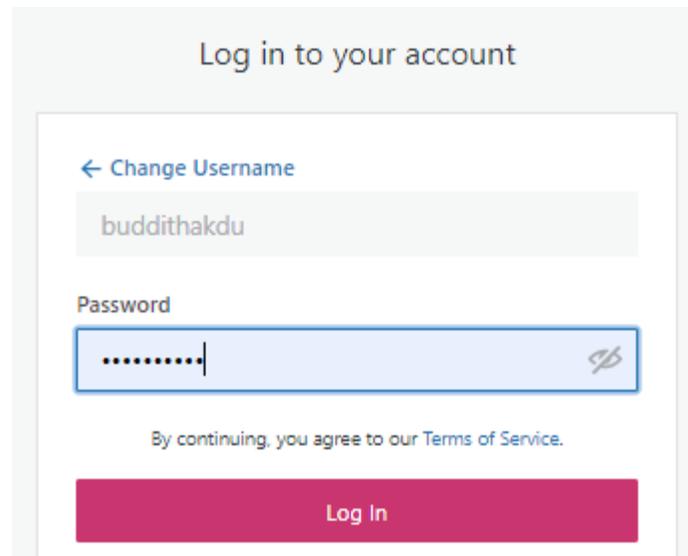


Log in to your account

Email Address or Username

By continuing, you agree to our [Terms of Service](#).

Continue



Log in to your account

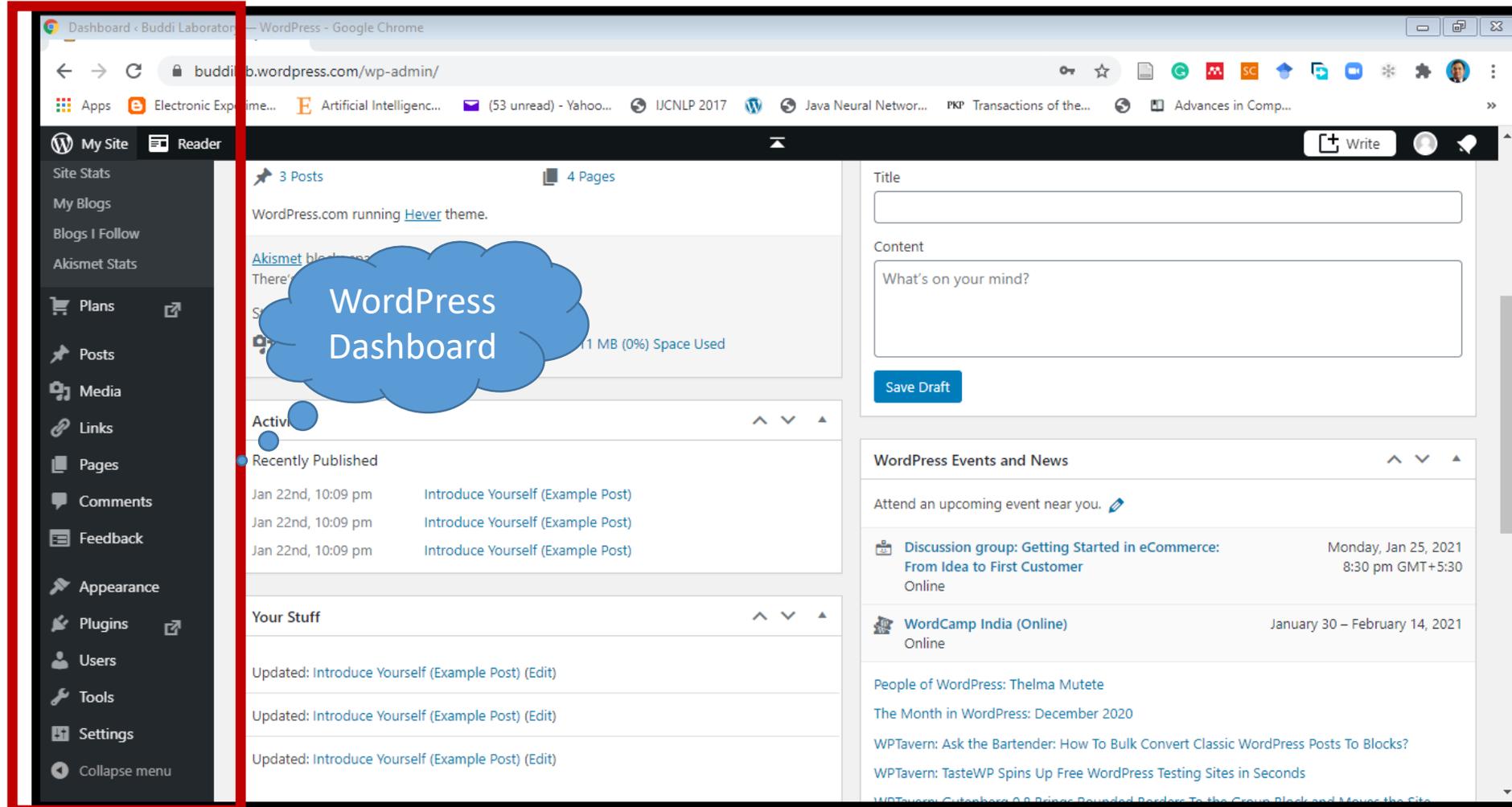
[← Change Username](#)

Password

By continuing, you agree to our [Terms of Service](#).

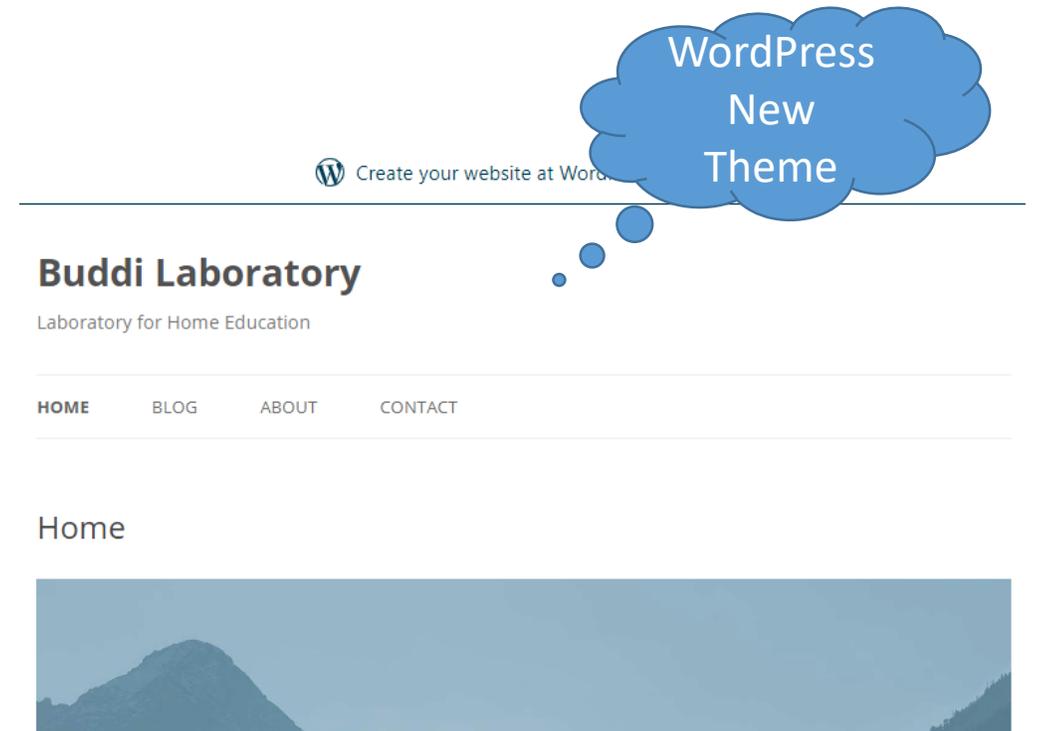
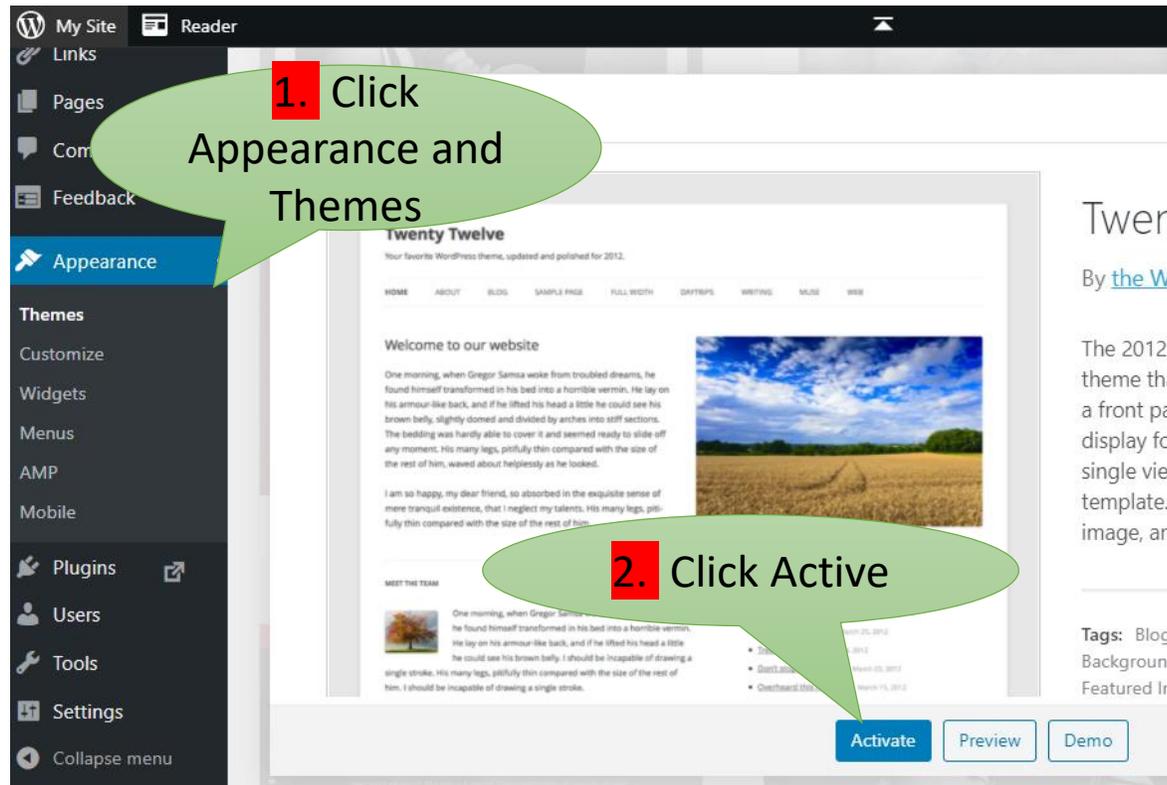
Log In

WordPress Admin panel



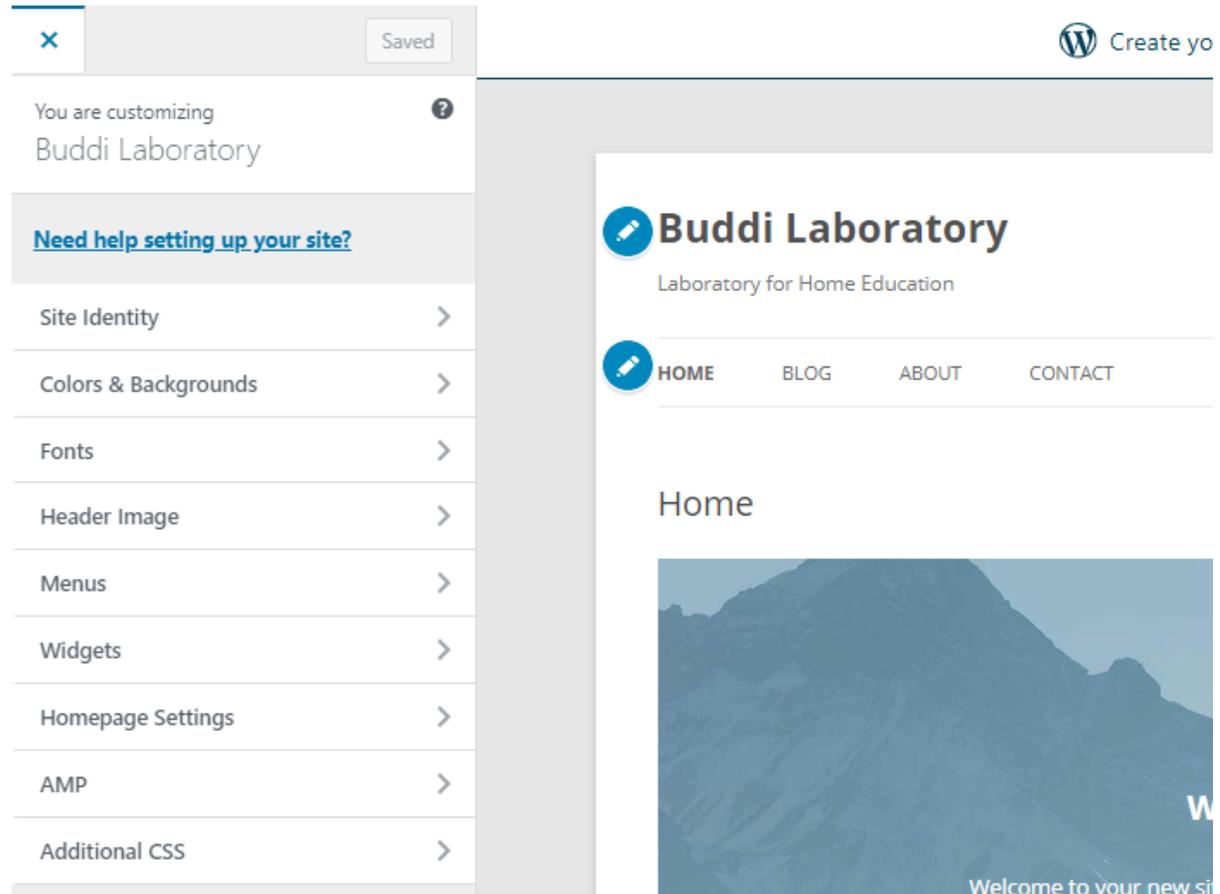
Change Appearance

- Click Appearance → Click Themes → Select a suitable Theme



Customize your page

- Click → Appearance → Customize



The screenshot shows the WordPress Customizer interface for a site named 'Buddi Laboratory'. On the left, a sidebar lists various customization options: Site Identity, Colors & Backgrounds, Fonts, Header Image, Menus, Widgets, Homepage Settings, AMP, and Additional CSS. A blue thought bubble labeled 'WordPress Items' points to this list. The main preview area on the right shows the site's header with the title 'Buddi Laboratory' and tagline 'Laboratory for Home Education'. Below the header is a navigation menu with links for HOME, BLOG, ABOUT, and CONTACT. The main content area features a large image of a mountain range with the text 'Home' above it and 'Welcome to your new site' at the bottom right. The top right corner of the interface includes a 'Create your account' button.

Change Site Identify

The image shows the WordPress Customizer interface for 'Site Identity'. On the left, the settings panel includes:

- Site Title:** A text input field containing 'Buddi Laboratory'.
- Tagline:** A text input field containing 'Laboratory for Home Education'.
- Display Site Title and Tagline**
- Site Icon:** A section with a description: 'Site Icons are what you see in browser tabs, bookmark bars, and within the WordPress mobile apps. Upload one here!' and 'Site Icons should be square and at least 512 x 512 pixels.' Below this is a preview of a browser tab showing the site icon and title 'Buddi Labor...', and a 'Change image' button.

At the top right of the settings panel is a 'Save Changes' button. To the right is a live preview of the site header, showing:

- The site title 'Buddi Laboratory' with a pencil icon for editing.
- The tagline 'Laboratory for Home Education'.
- A navigation menu with links: HOME, BLOG, ABOUT, CONTACT.
- A 'Home' section with a large blue-tinted image of a mountain range and a 'Welcome' message.

Header Image

The image shows a split-screen view of the WordPress Customizer. On the left, the 'Header Image' settings panel is open, displaying instructions: 'Click "Add new image" to upload an image file from your computer. Your theme works best with an image with a header size of 960 x 250 pixels — you'll be able to crop your image once you upload it for a perfect fit.' Below the instructions, the 'Current header' section shows a preview of a city skyline image with 'Hide image' and 'Add new image' buttons. The 'Suggested' section shows three alternative image thumbnails. On the right, the live website preview is shown. The top right corner features the WordPress logo and the text 'Create your website at WordPress.co'. The site title 'Buddi Laboratory' is displayed in a blue circle icon, with the tagline 'Laboratory for Home Education' below it. A navigation menu includes 'HOME', 'BLOG', 'ABOUT', and 'CONTACT'. The main content area features a large header image of a city skyline, with a blue circle icon containing a white envelope symbol in the top left corner. Below the image, the word 'Home' is written.

Menus

Customizing • Menus
Primary

Menu Name
Primary

Home	Front Page ▼
Blog	Page ▼
About	Page ▼
Contact	Page ▼

[Reorder](#) [+ Add Items](#)

Buddi Laboratory
Laboratory for Home Education

HOME BLOG ABOUT CONTACT



Search menu items...

- Custom Links ▼
- Pages ▼
- Posts ▼
- Categories ▼
- Tags ▼
- Formats ▼

1. Click Add Item

Custom Link

Save Changes

Search menu items...

Customizing ▸ Menus
Primary

Menu Name
Primary

Home Front Page ✕

Blog Page ✕

Custom Links

URL

Link Text

Pages ▾

1. Add URL

2. Add Caption

3. Click here to Apply

Buddi Laboratory

Laboratory for Home Education

HOME BLOG ABOUT CONTACT MY SITE

Menu Item

Add a Page

1. Click here to Add new page

My Site Reader Write Screen Options Help

Pages Add New

Need to duplicate a post or page? Hover over the title of your post or page and click "Copy." [Learn more.](#)

Hello world!
Edit | Quick Edit | Copy | Trash | View

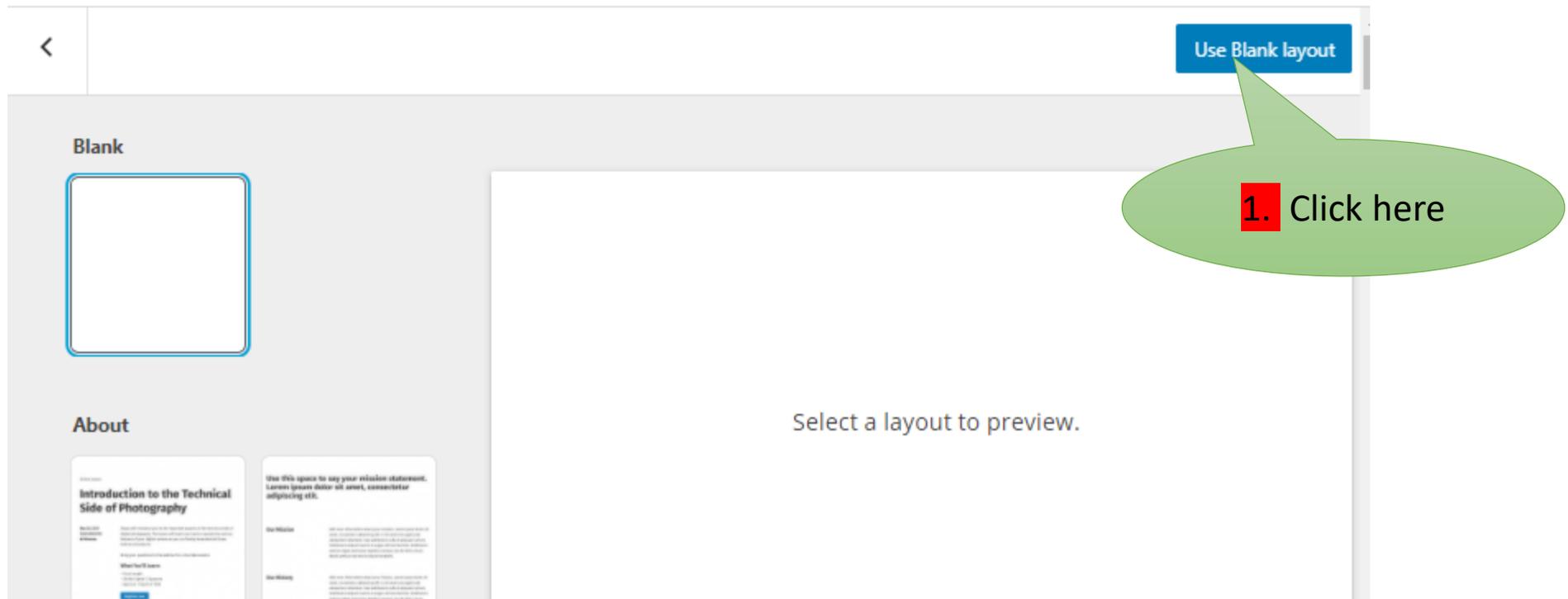
All (4) | Published (4) Search Pages

Bulk actions Apply All dates Filter 4 items

<input type="checkbox"/> Title	Author	Stats		★	Date
<input type="checkbox"/> About	buddithakdu		—	0	Published 2021/01/22 at 10:09 pm
<input type="checkbox"/> Blog	buddithakdu		—	0	Published 2021/01/22 at 10:09 pm
<input type="checkbox"/> Contact	buddithakdu		—	0	Published

Add a Page

- Select **blank page layout** or **existing layout**



Page Options

TEXT	MEDIA			WIDGETS				EMBEDS			
 Markdown	 Syntax Highlighter Code	 Paragraph	 Image Compare	 Slideshow	 Tiled Gallery	 Star Rating	 Repeat Visitor	 Event Countdown	 Eventbrite Checkout	 GIF	 Google Calendar
 Heading	 List	 Quote	 Collage	 Masonry	 Offset	 Timeline	 Blog Posts	 Post Carousel	 Latest Instagram Posts	 Map	 Pinterest
 Code	 Classic	 Preformat	 Stacked	 Image	 Gallery	 Shortcode	 Archives	 Calendar	 Podcast Player	 Related Posts	 Embed
 Pullquote	 Table	 Verse	 Audio	 Cover	 File	 Categories	 Custom HTML	 Latest Comments	 Twitter	 YouTube	 SoundCloud
			 Media & Text	 Video		 Latest Posts	 RSS	 Social Icons	 Spotify	 Flickr	 Vimeo

Add new User

My Sites Reader

Dashboard

Plans

Posts

Media

Links

Pages

Comments 3

Feedback

Appearance

Plugins

Users

Users [Invite New](#)

All (2) | Administrator (2)

Bulk actions Change role to...

<input type="checkbox"/>	Username	Name	Email
<input type="checkbox"/>	 budditha	Budditha Hettige	budditha@yah
<input type="checkbox"/>	 buddithakdu	budditha Hettige	budditha@kdu

Username Name Email

Bulk actions Change role to...

List of User Roles

- **Administrator** – nothing is off limits
- **Editor** – has access to all posts, pages, comments, categories, tags, and links.
- **Author** – can write, upload photos to, edit, and publish their own posts.
- **Contributor** – has no publishing or uploading capability, but can write and edit their own posts until they are published
- **Follower** (public sites) / **Viewer** (private sites only) – can read and comment on posts and pages
- **Subscriber** – similar to the Follower / Viewer role; can read and comment on posts and pages.

Comments

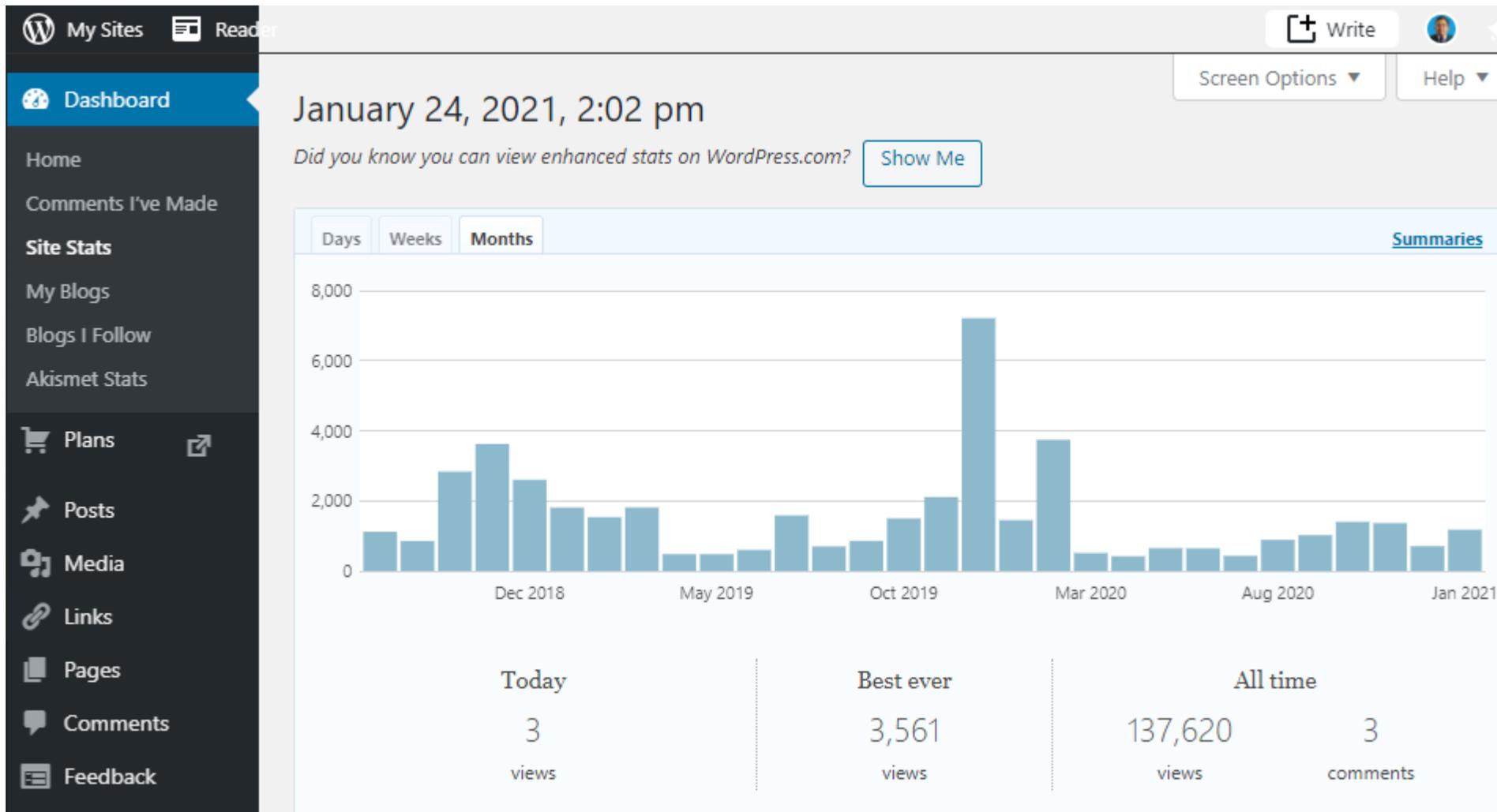
Comments

All (3) | Mine (0) | Pending (3) | Approved (0) | Spam (3) | Trash (0)

Bulk actions All comment types

<input type="checkbox"/>	Author	Comment	In response to
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<input type="checkbox"/>	achchuassath achchupostcards.wordpress.com x ashfaassath@gmail.com 175.157.223.175	Thank you sir. All the notes help me alot. I am ruhuna Cs student. I am glad to become a student of you. Thank you very much and appreciate the work.	Contact View Page
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