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Ministry of Labor and Skills

CAPACITY BUILDING TRAINING FOR TVT TRAINERS ON INNOVATIVE PEDAGOGY AND DIGITAL INTEGRATION

PART II: DIGITAL INTEGRATION

August 2024

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FDRE TECHNICAL & VOCATIONAL TRAINING INSTITUTE

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Entrepreneurship Development Institute®

Outline

7 **Digital Content Creation**

8 **Using LMS for Digital Content Delivery**

9 Using digital technologies for assessment, feedback and analysis

10 Using Generative AI

11 Using Assistive Tools



Unit 7

Digital Content Creation

Introduction

Digital content refers to any type of content that exists in a digital format. This includes text, images, videos, audio, and other multimedia that are created, stored, and distributed using digital technology.



TEXT: ARTICLES, BLOG POSTS, EBOOKS, SOCIAL MEDIA UPDATES, EMAIL NEWSLETTERS, AND ONLINE FORUMS



IMAGES: PHOTOGRAPHS, ILLUSTRATIONS, INFOGRAPHICS, MEMES, AND DIGITAL ARTWORK



AUDIO: MUSIC, PODCASTS, AUDIOBOOKS, AND SOUND EFFECTS



MULTIMEDIA: INTERACTIVE CONTENT SUCH AS ONLINE COURSES, VIRTUAL REALITY EXPERIENCES, AND VIDEO GAMES

Objectives

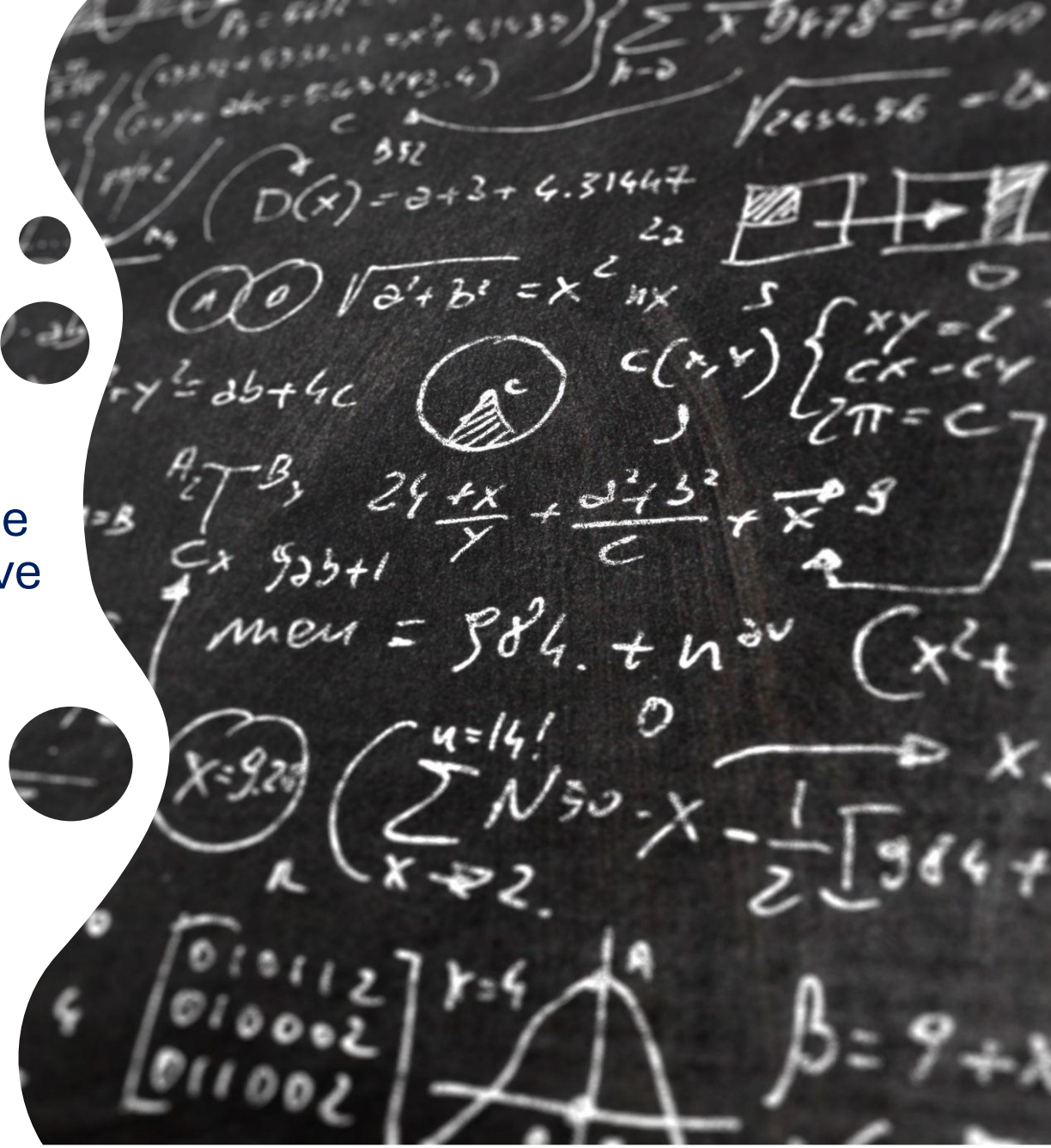
Effective Communication: helps in conveying messages clearly and engagingly across various platforms such as social media, blogs, and websites

Collaboration and Project Management: Digital content creation often requires working in teams and managing projects which can improve collaboration and project management abilities.

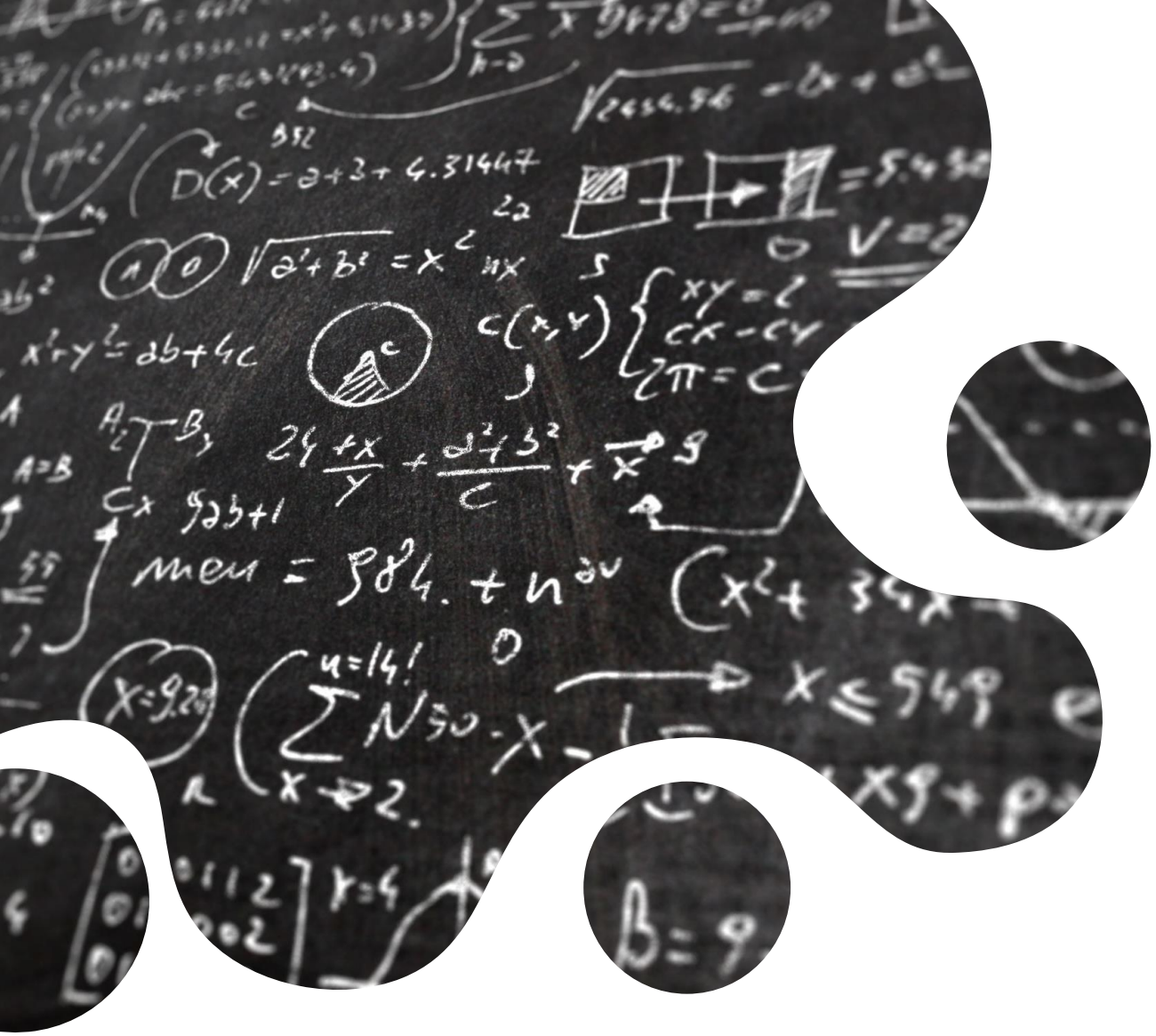
Enhanced Creativity: Learning the tools and techniques for creating digital content fosters creativity and innovation, allowing creators to express ideas in unique and compelling ways

Marketing and Branding: Learning how to create appealing and effective content can help in building brand identity, increasing visibility, and engaging with target audiences.

Digital content preparation



- Creating digital content for educational purposes involves several steps to ensure the content is engaging, informative, and effective for learning
- Here’s a step-by-step guide:
- Identify Learning Goals
- Understand your audience
- Plan content outline
- Develop storyboard
- Choose appropriate format like Text, Image, Video, Audio and Interactive elements



Digital content preparation

- Create content: the content could be original or cite sources
- Use appropriate tools and software for audio video and interactive content creation
- Publish and distribute
- Evaluate and update
- Following these steps can help ensure that the digital educational content you create is effective, engaging, and beneficial for learners

What do we need to create digital content?

- Creating digital content requires a combination of skills, tools, and resources
- Here’s a comprehensive list of what you might need



Skills and Knowledge

- Graphic Design: Ability to create visuals, infographics, and other graphic elements
- Video Production: Skills in shooting, editing, and producing videos
- Subject Matter Expertise: Deep knowledge of the topic you are creating content about



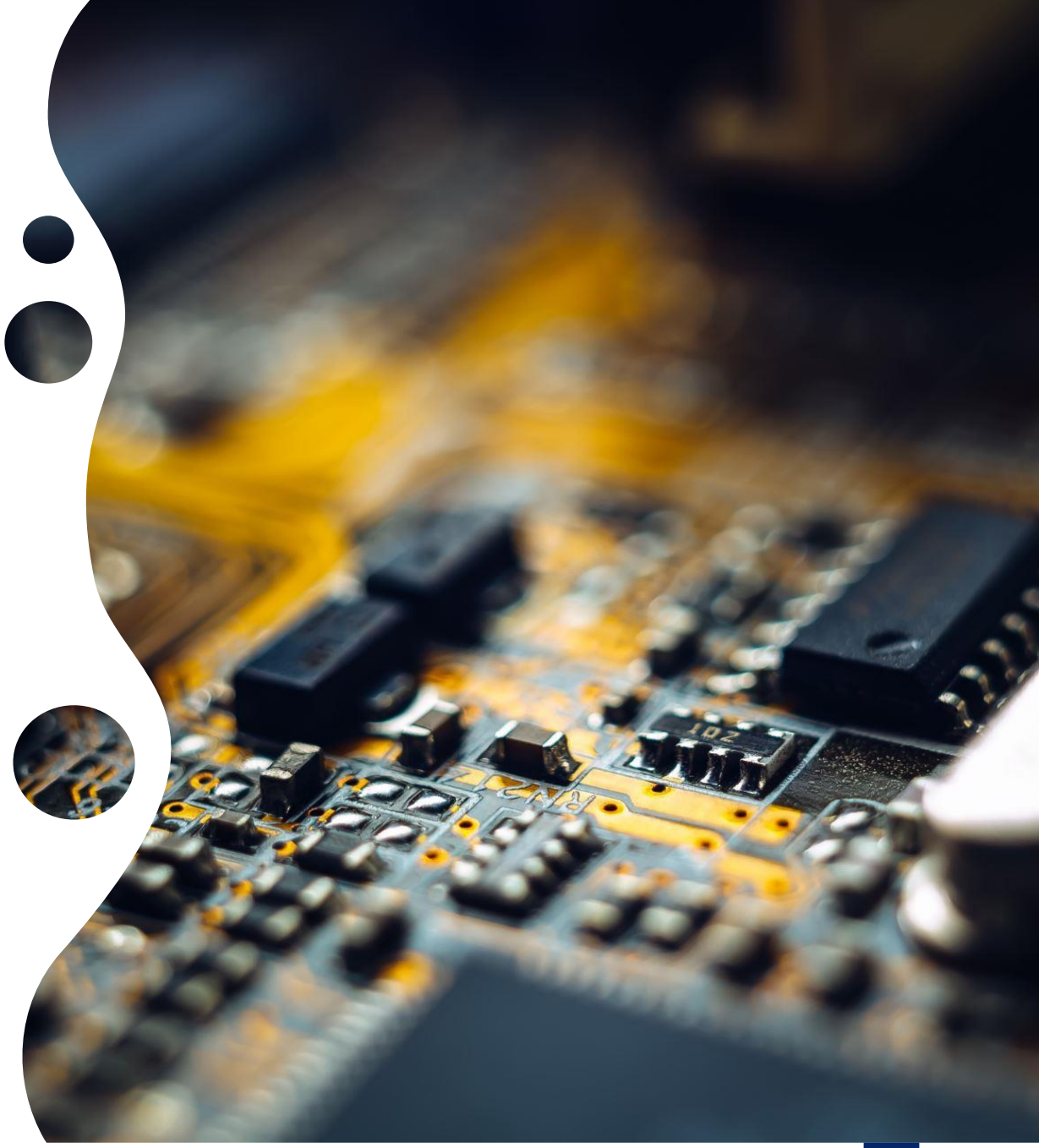
Tools and Software

- Writing and Editing: word processors like Microsoft Word and Google Docs, editing tools like Grammarly, Hemingway Editor
- Video Production: video editing software like Adobe Premiere Pro, Final Cut Pro Audio Production: audio editing software like Audacity, Adobe Audition, GarageBand
- Interactive Content: E-learning tools like Articulate Storyline, Adobe Captivate, H5P and quiz and survey tools like Google Forms, SurveyMonkey



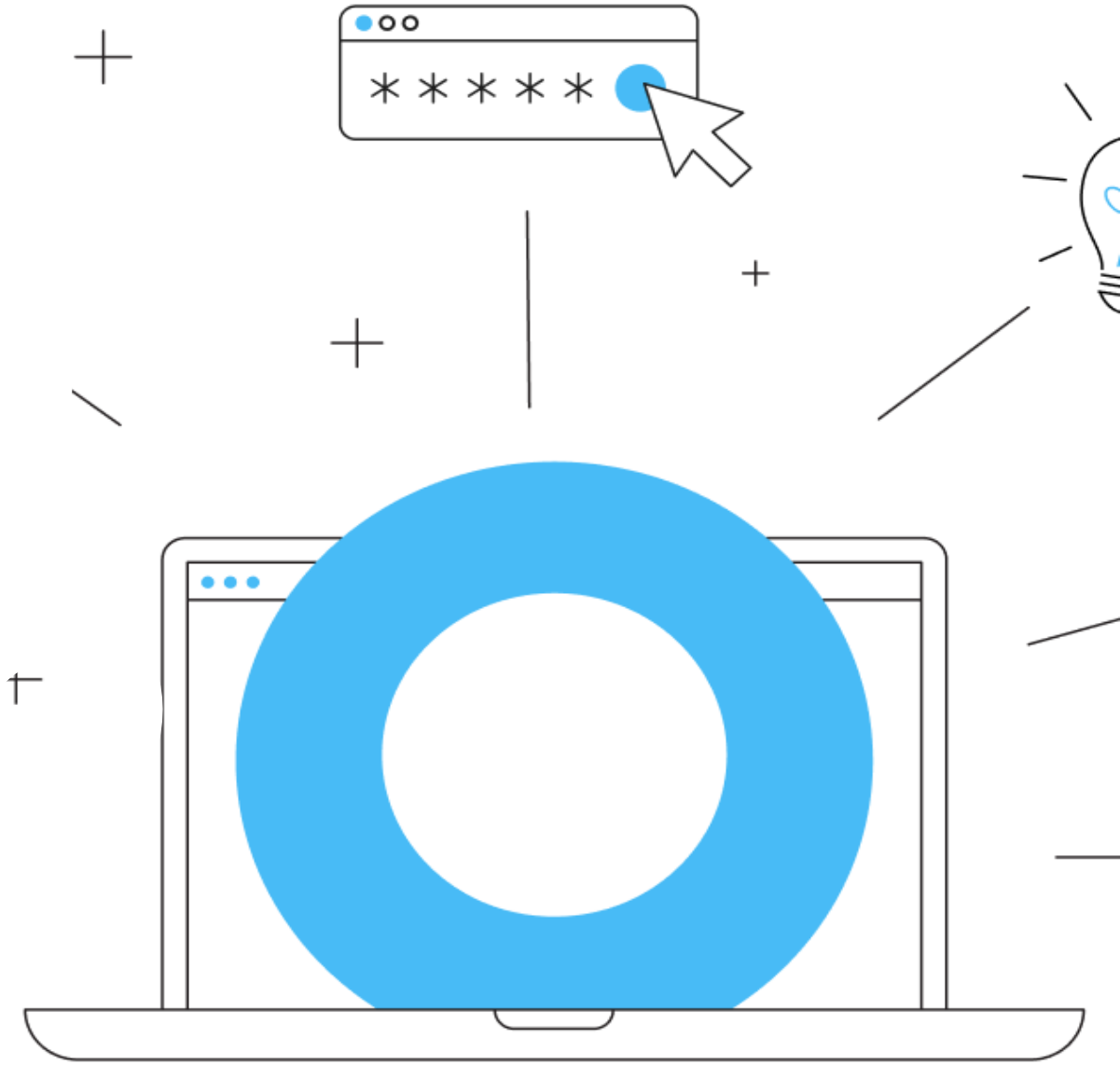
Hardware

- Computer: A reliable computer with sufficient processing power and memory for handling content creation tasks.
- Camera: A good quality camera for shooting videos or taking photos.
- Microphone: A high-quality microphone for recording clear audio.



Articulate Storyline 360

- Articulate Storyline 360 is a powerful e-learning authoring tool used to create interactive and engaging online courses
- It is part of the Articulate 360 suite of applications and is widely used by instructional designers, educators, and corporate trainers
- Articulate Storyline 360 is a comprehensive tool that can significantly enhance the quality and effectiveness of your e-learning content



Key Features

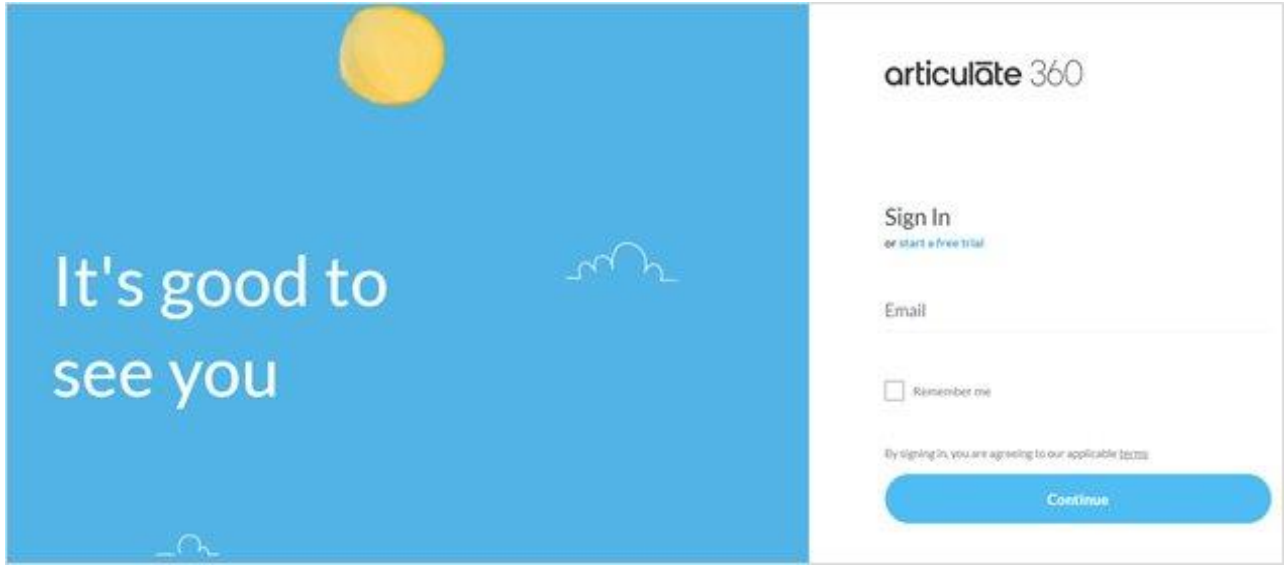
- Intutive Interface
- Interactivity
- Assessment and quizes
- Media integration
- Responsive design
- Customizable themes and templates

Digital content using Articulate 360

- Creating digital content with Articulate Storyline 360 involves several steps from installation to publishing
- Here’s a detailed guide on getting started: Subscribe to Articulate
- The Articulate 360 desktop app gives you quick access to all the authoring tools and resources in your subscription
- This document shows you how to



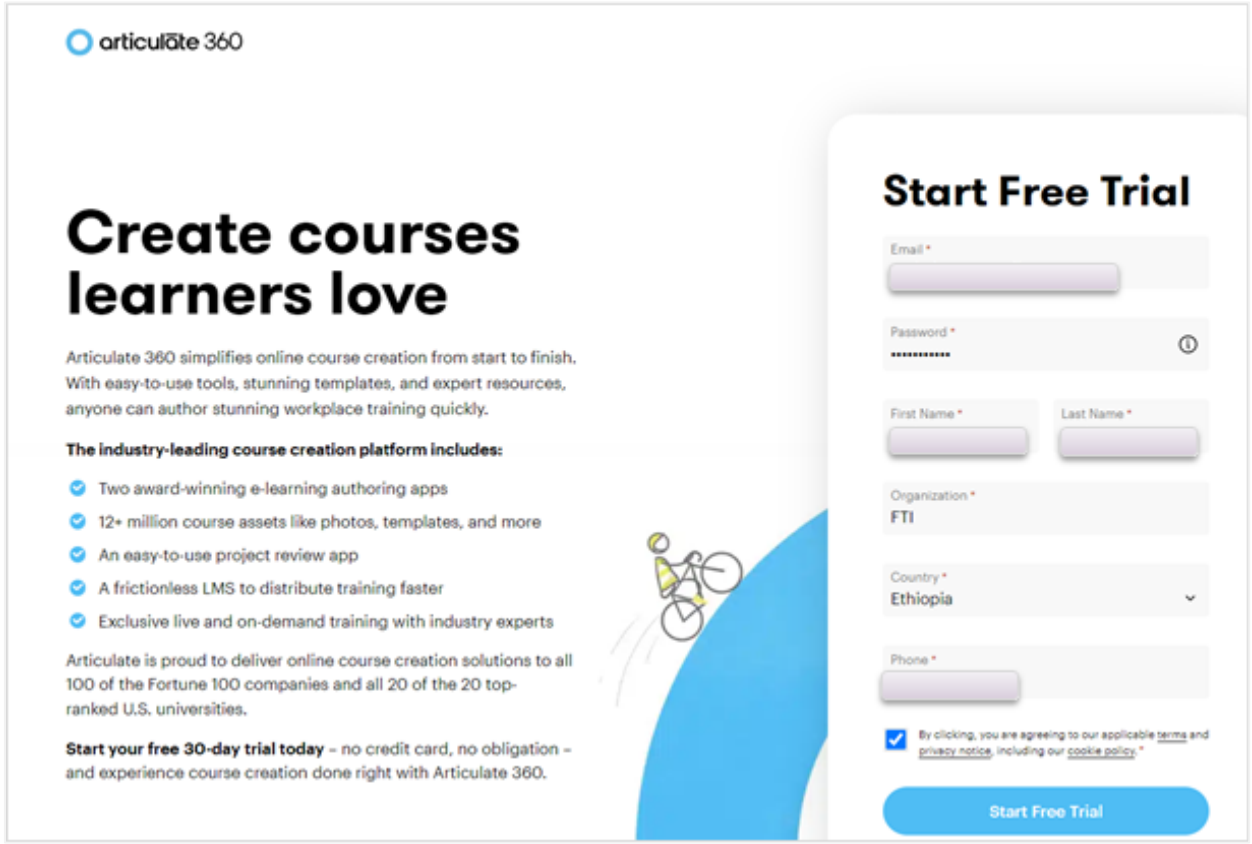
Digital content using Articulate 360



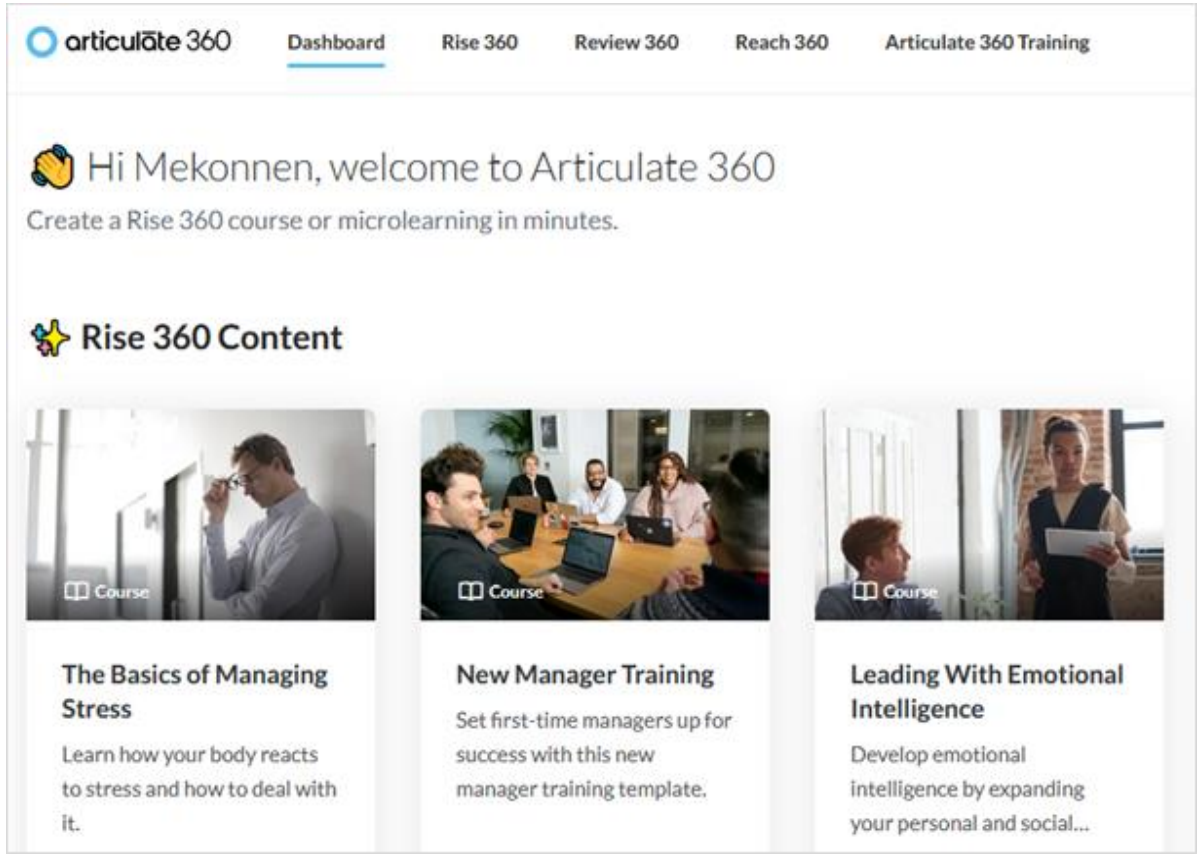
- If you choose to Sign up for free, use https://id.articulate.com/ .
- Here we have additional option, “start a free trial”. As a starter, let us choose “start a free trial” and continue to join the community

Digital content using Articulate 360

- Fill the necessary data requested on the page. Select the agreement check box and click on “Start free trial”
- Articulate will announce your success in signing up and give you information to check your email to get started.
- The free trial works only for 30



Digital content using Articulate 360



- Once after we sign up to the community, let us continue to content creation by signing in.
- .After login, your dashboard will be opened. (https://360.articulate.com/) and it looks like the image .

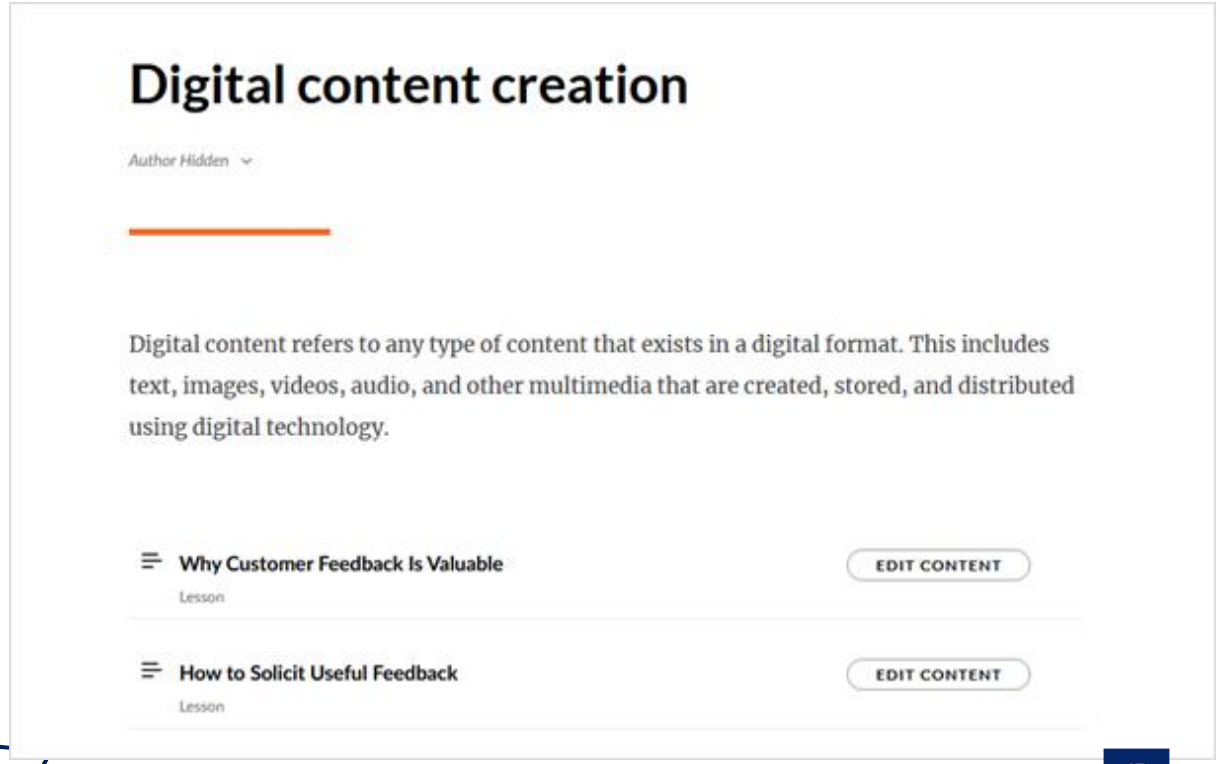
Digital content using Articulate 360

- Let us start to create content. To do that click on “Rise 360”.
- Next click on “create new” button which is located on the left side of your window and choose Course.
- Now you will see templates. Choose one to continue working or if you don’t need them click on “Blank course”.



Digital content using Articulate 360

- Start editing your template by clicking on it.
- Simply delete the text on the template and replace it with your own.
- As you can see on the image, my content has header and introduction.
- Now I will continue with sub topics by clicking on “edit content”.



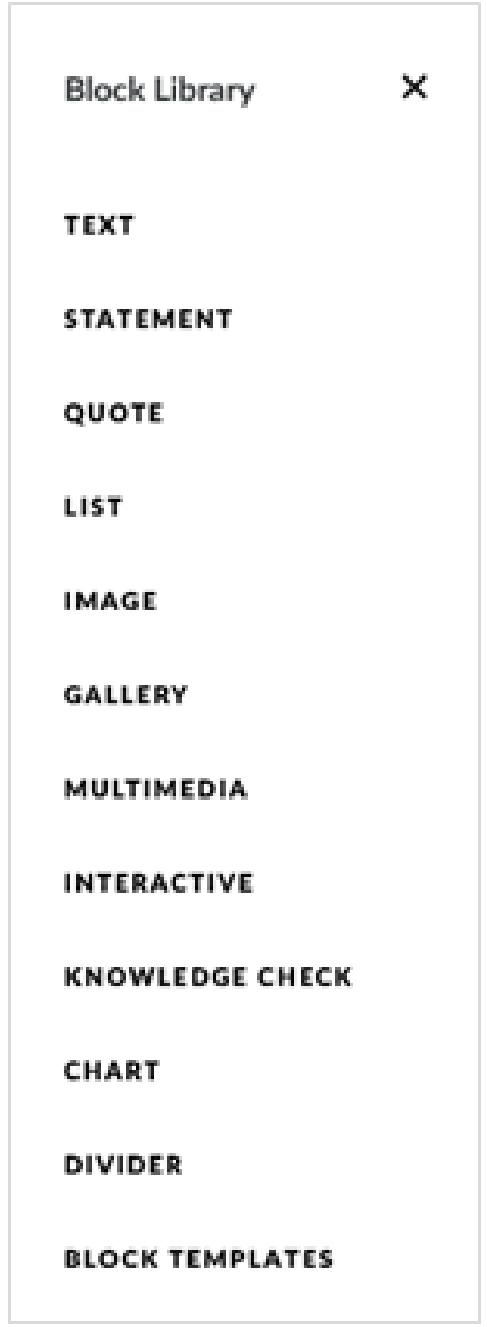
Digital content using Articulate 360



- Under "edit content" delete texts of the template and replace them with your own.
- You can add images, text, quotes, gallery, multimedia, interactive and others also.
- To add each of them move you mouse cursor up or down on the content until you find addition sign.

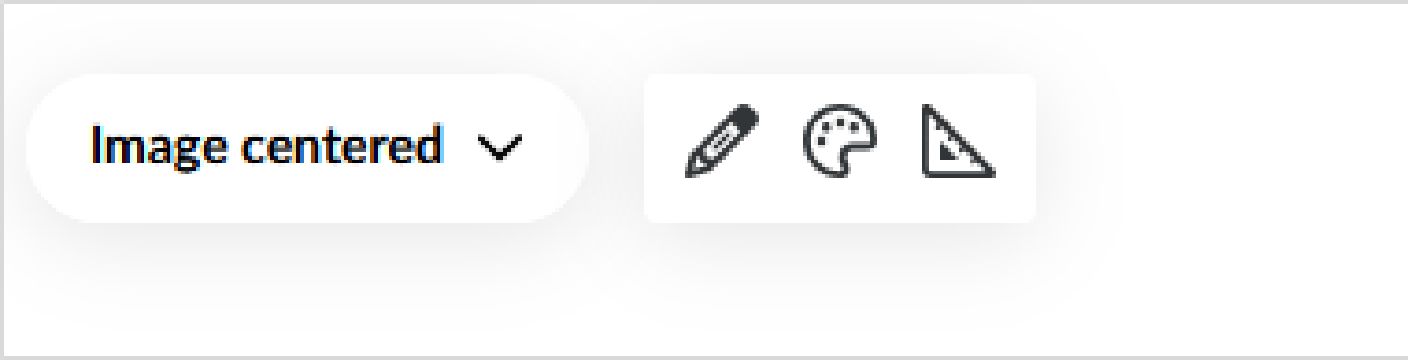
Digital content using Articulate 360

- Clicking on the addition sign will open block library with options on the left side.
- Choose the type of content you like to enter to your template



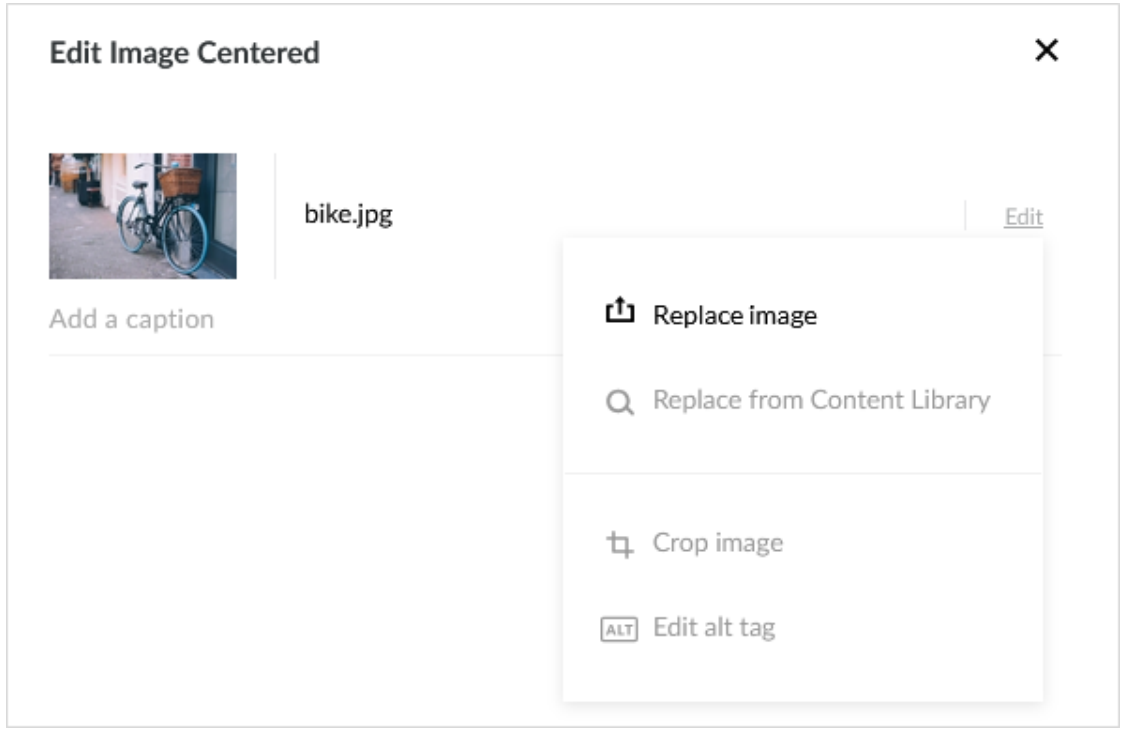
Digital content using Articulate 360

- Let us add image, choose image option from the options and choose how you want to put your image on the template.
- Once after you did that, the image will be inserted to the content.
- Now we need to change the image, so hover your mouse on the image and you will see the following



Digital content using Articulate 360

- From the options click on the pencil sign and image editor will be opened.
- Then you can replace the image with your own.



Digital content using Articulate 360



- Use preview option to see how you content suit with different displays like large screen, tablets or smartphone screens (see the image)
- Once after you finish editing your content, the next step is to publish or share your content.
- To use it on LMS, you can use publish option. There is also share possibility to share the link of your digital content using several medias including Learning management Systems

Where can we use interactive contents?

- Interactive content created using Articulate Storyline 360 can be used in a variety of environments and platforms to enhance learning and engagement
- Here are some common places where you can use these interactive contents:
- Corporate Training
- Educational Institutions



Discussion questions

- What are the main types of digital content discussed in this unit, and how can each type be effectively used in educational settings?
- Can you summarize the key steps in the digital content creation process? How do these steps ensure that the content is engaging and educational?
- How do you plan to integrate the digital content creation tools introduced in this unit into your teaching practices? Can you provide specific examples of how these tools will enhance your instructional methods?
- What challenges do you anticipate when creating digital content, particularly with tools you may be less familiar with? How do you plan to overcome these challenges?

Discussion questions

- How can the skills of digital content creation improve your ability to deliver lessons that cater to different learning styles? Share an example of how you would apply these skills in a specific teaching scenario.
- In what ways can you teach your students the importance of digital content creation skills? What activities could you incorporate into your lessons to reinforce these skills?
- Considering the rapid advancement of digital content creation tools, how do you plan to keep your skills up to date? What resources or strategies will you use to continue learning in this area?
- How can the lessons learned in this unit contribute to fostering better digital literacy and content creation skills among your students? What role do you see yourself playing in this development?



Unit

8

Using LMS for Digital Content Delivery



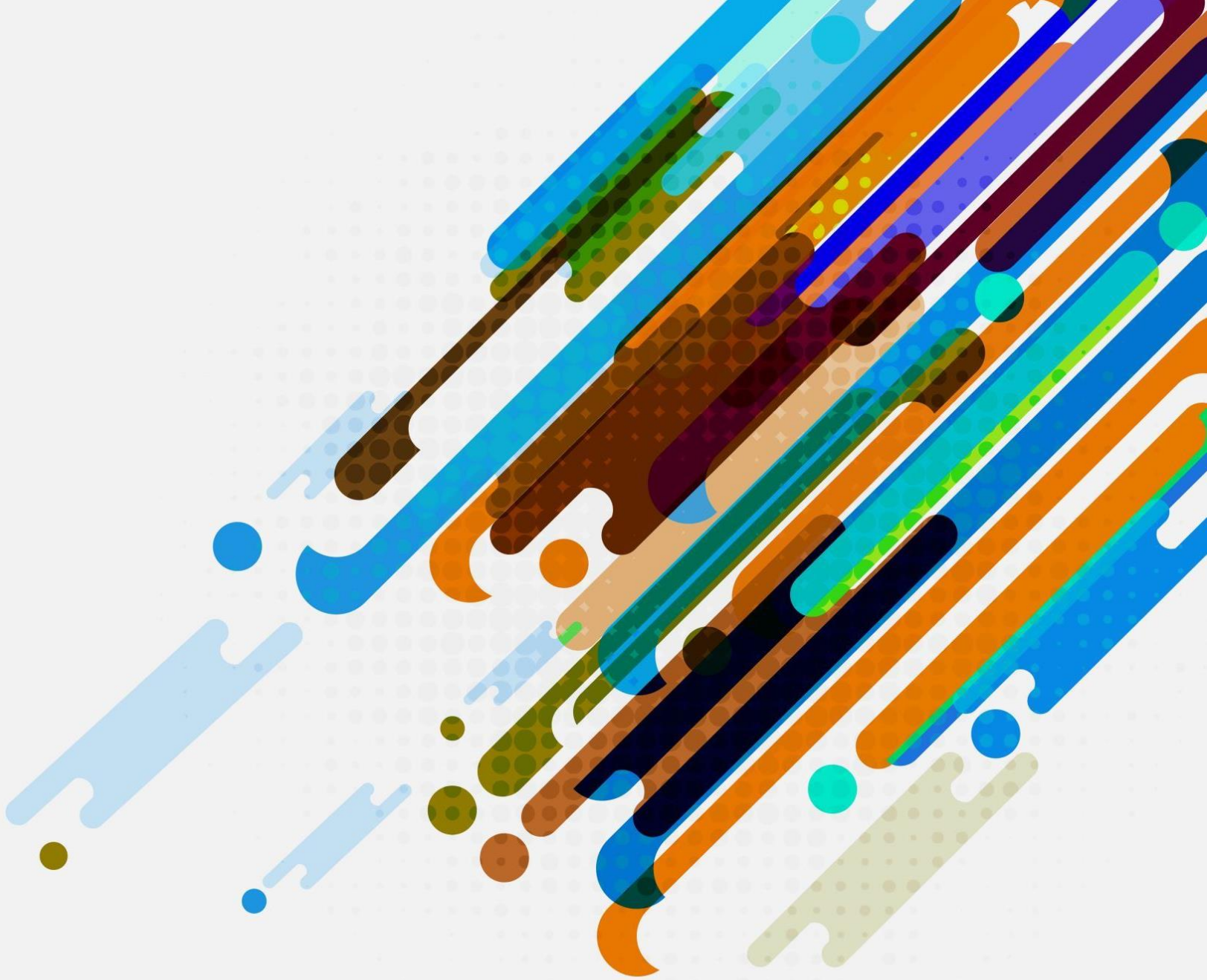
Using LMS for Digital Content Delivery

- A Learning Management System is a software application designed to administer, document, track, report, automate, and deliver educational courses, training programs, or learning and development programs
- LMSs are widely used in various educational settings, from schools and universities to corporate training and online learning platforms

Key Features of an LMS

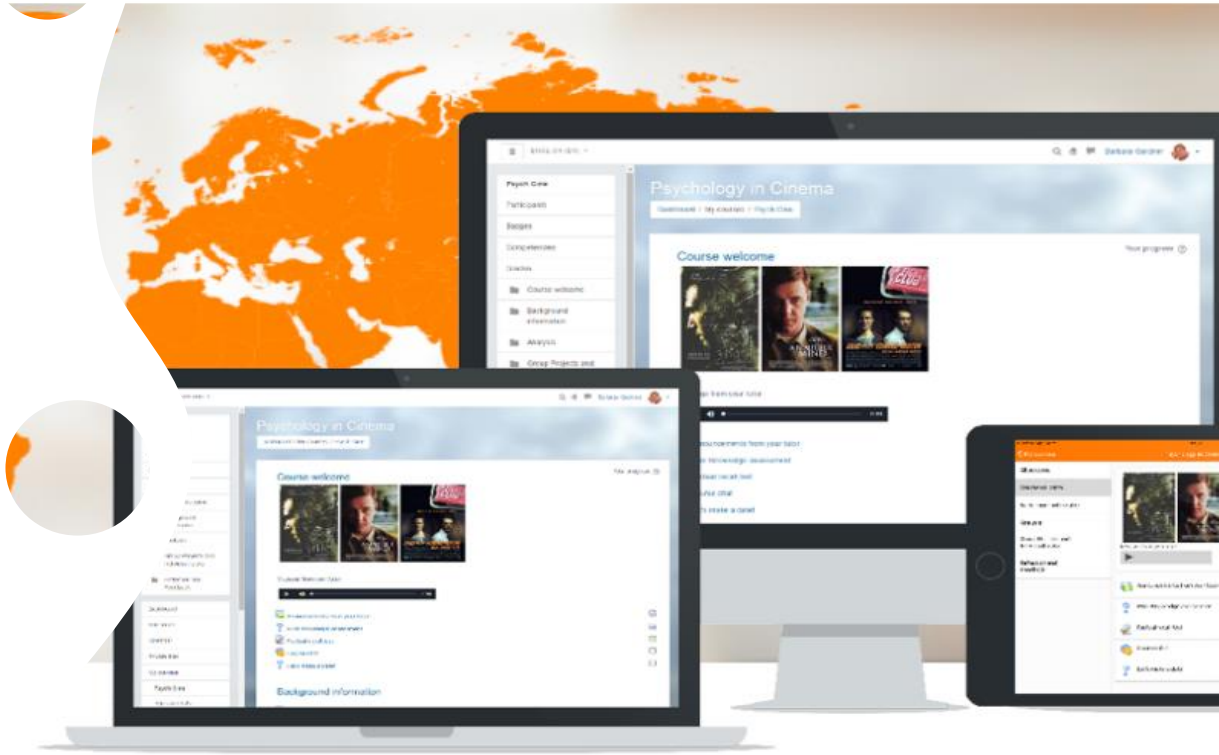
- Course management: creation and organization, content delivery
- User management: roles and permissions, enrollment and tracking
- Assessment and evaluation: quizzes and tests, grading and feedback
- Communication and collaboration: discussion forums, messaging and notification
- Analytics and reporting: progress tracking, report
- Integration and accessibility: third-party integration, mobile access

Popular Learning Management Systems



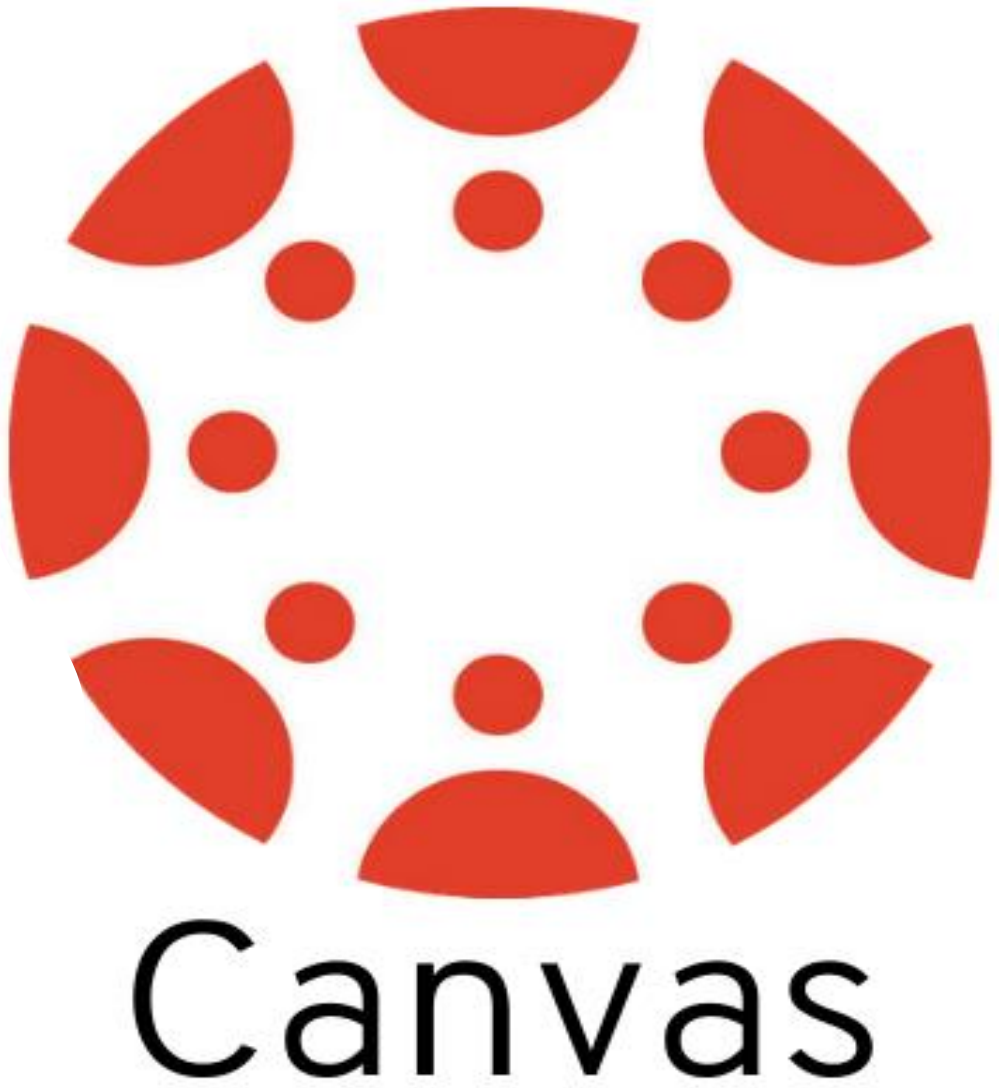
Moodle

- Description: Open-source LMS widely used in educational institutions
- Features: Customizable interface, a wide range of plugins, and robust community support



Canvas

- Description: Cloud-based LMS known for its user-friendly interface and extensive features
- Features: Course management, mobile apps, integration with other educational tools



Blackboard

- Description: Comprehensive LMS often used in higher education
- Features: Course creation, content management, assessment tools, analytics





Google Classroom

- Description: Free LMS offered by Google for educational institutions
- Features: Integration with Google Workspace, easy assignment creation, and communication tools

Working on Moodle

- Moodle is an open-source Learning Management System that provides educators, administrators, and learners with a single robust, secure, and integrated system to create personalized learning environment
- widely u





Key Features of Moodle

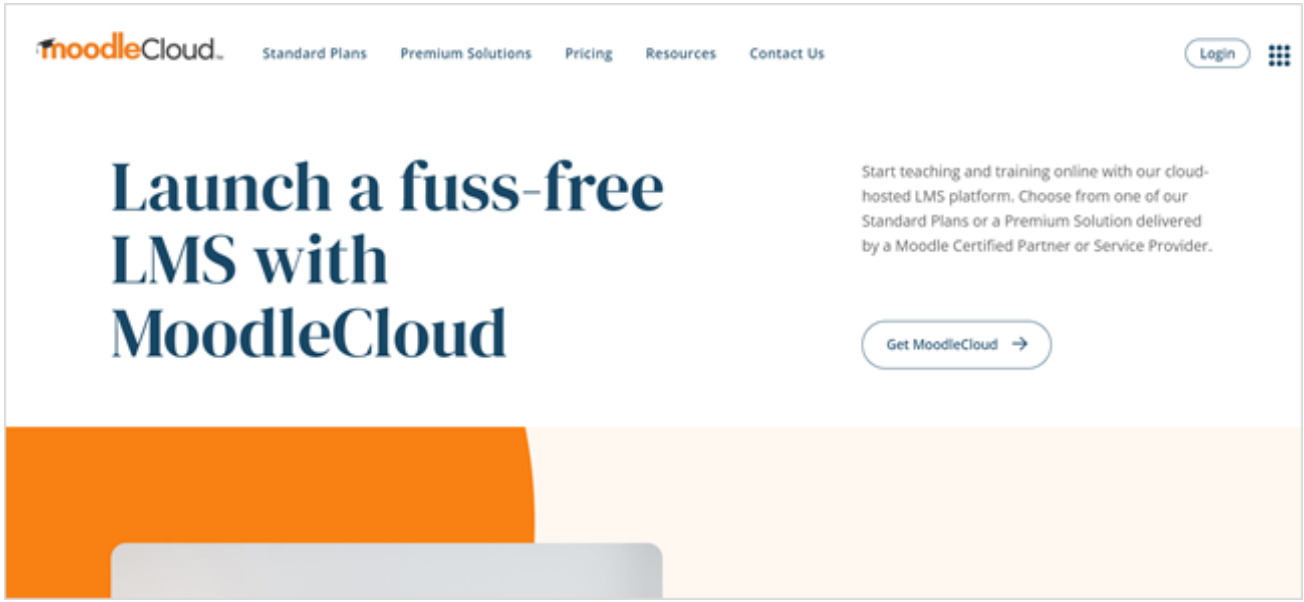
- Course management
- User management
- Content delivery
- Assessment and evaluation
- Communication and collaboration
- Customization and integration
- Analytics and reporting

Working on Moodle

Create Moodle account. Go to www.moodlecloud.com.

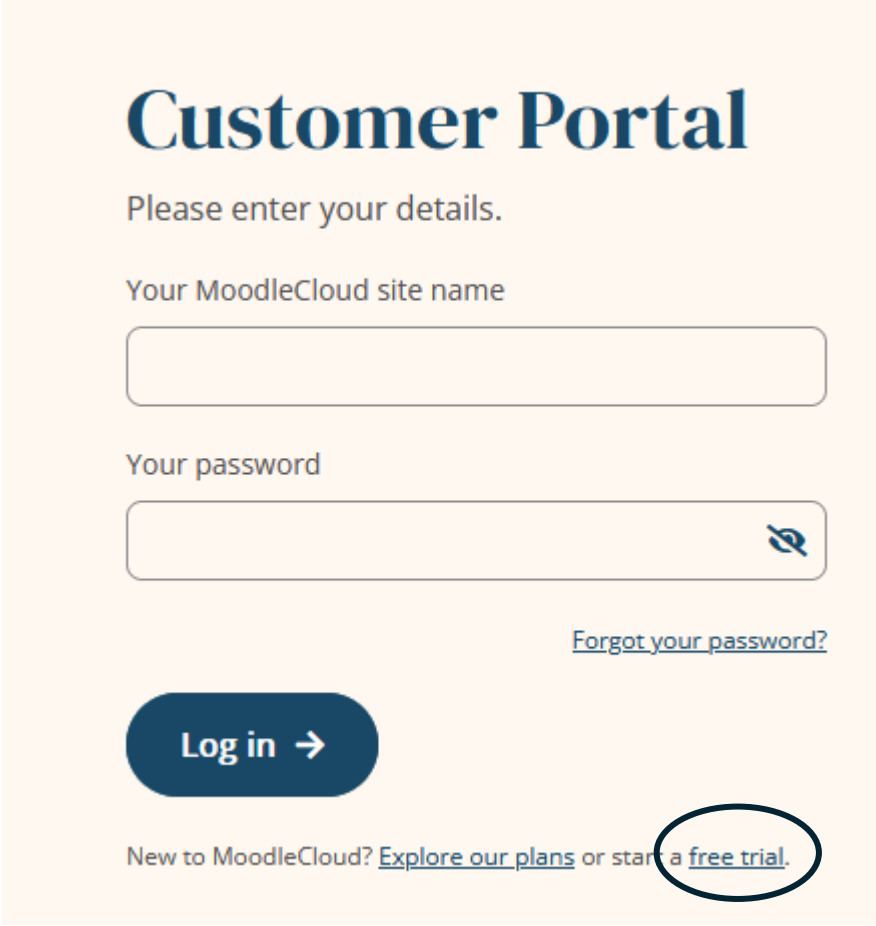
The home page looks like this

Use the login here link to login to your Moodle site, if you already have.



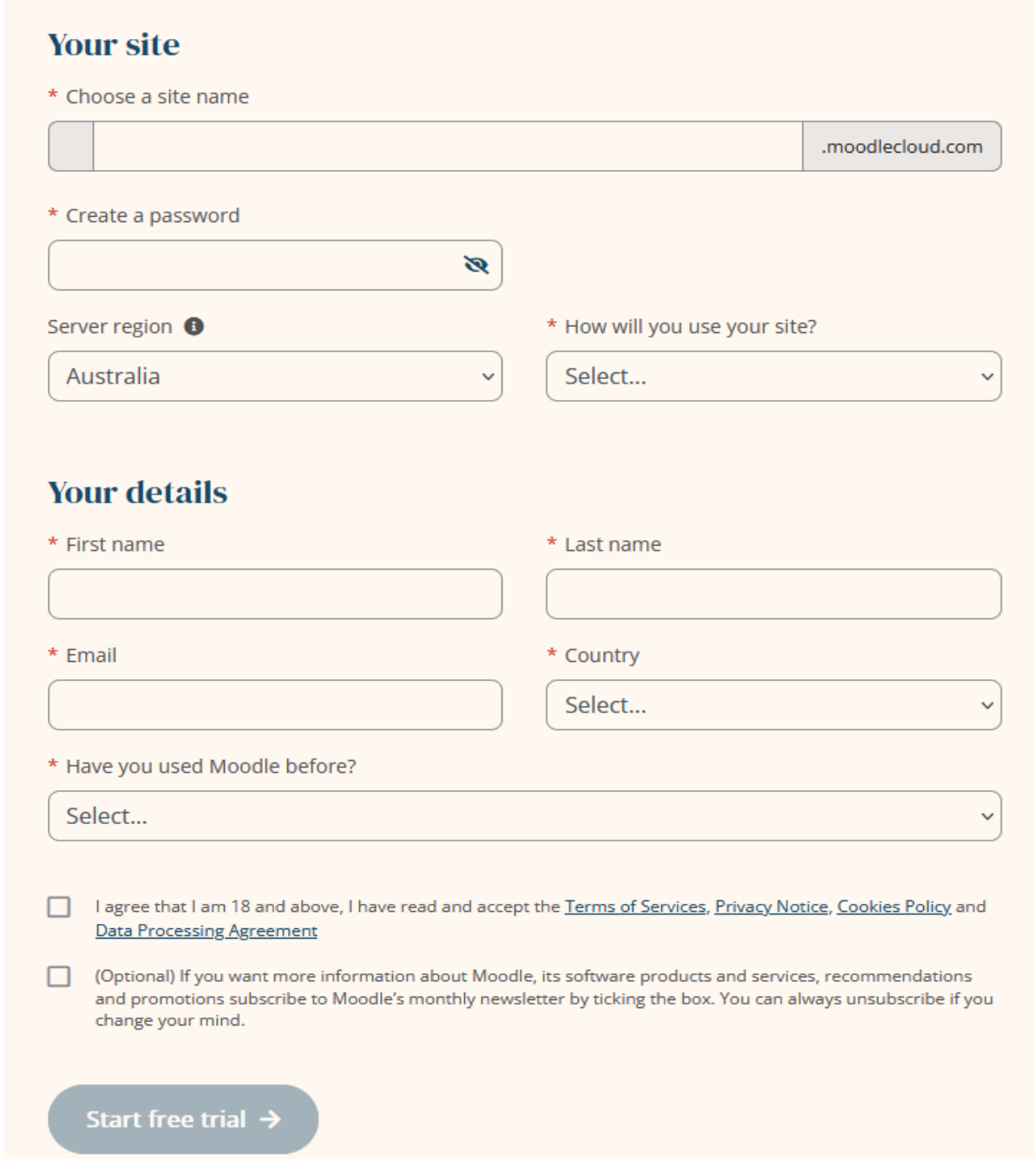
Working on Moodle

- If you don’t have Moodle site, let us create using the interface below.
- To create new free site, click on the login button and at the bottom of the login form there is a link says “free trial”.



Working on Moodle

- Then enter the necessary information on the form, agree with the terms and services then click on “Start free trial”.
- While filling out the form, choose an easy and unique site name, enter a password for later login, select server region, and on “how will you use your site?” choose the Teaching Students option.

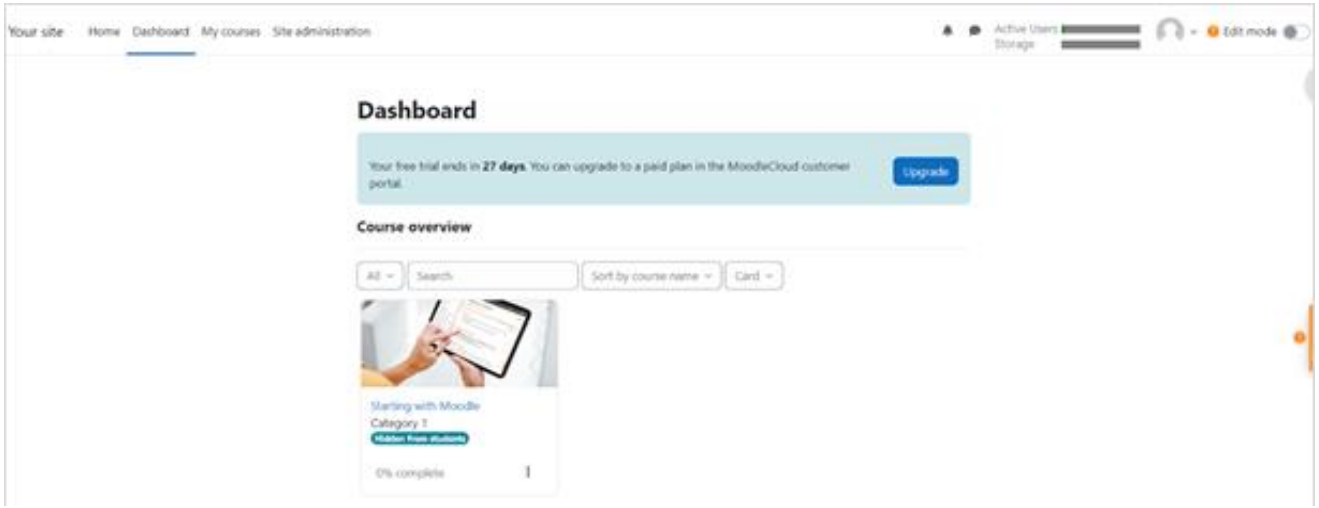


Working on Moodle

- After submission, the site will congratulates you for the success.
- There click on take me to my Moodle site.
- The new site will be opened by the site name you gave plus moodlecloude.com.
- With our example, since I use a site name ftvti, the cloud name will be www.ftvti.moodlecloud.com

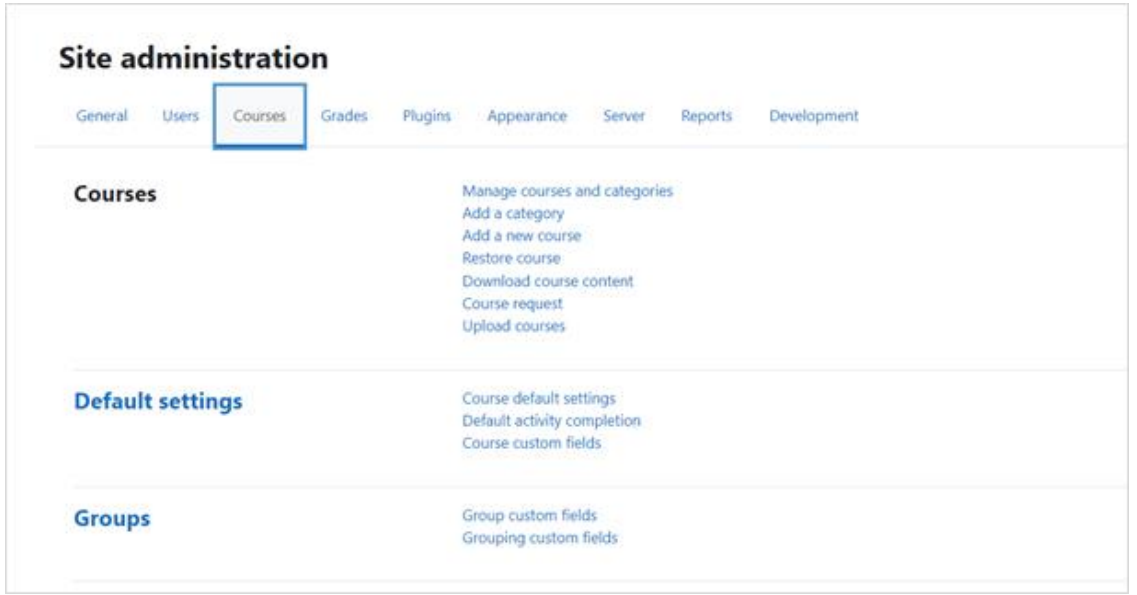
Working on Moodle

- Moodle will give you a tour to understand the environment on how we can work on it.
- You may skip it if you already have the know-how
- Here is how https://ftvti.moodlecloud.com/my/index.php looks like



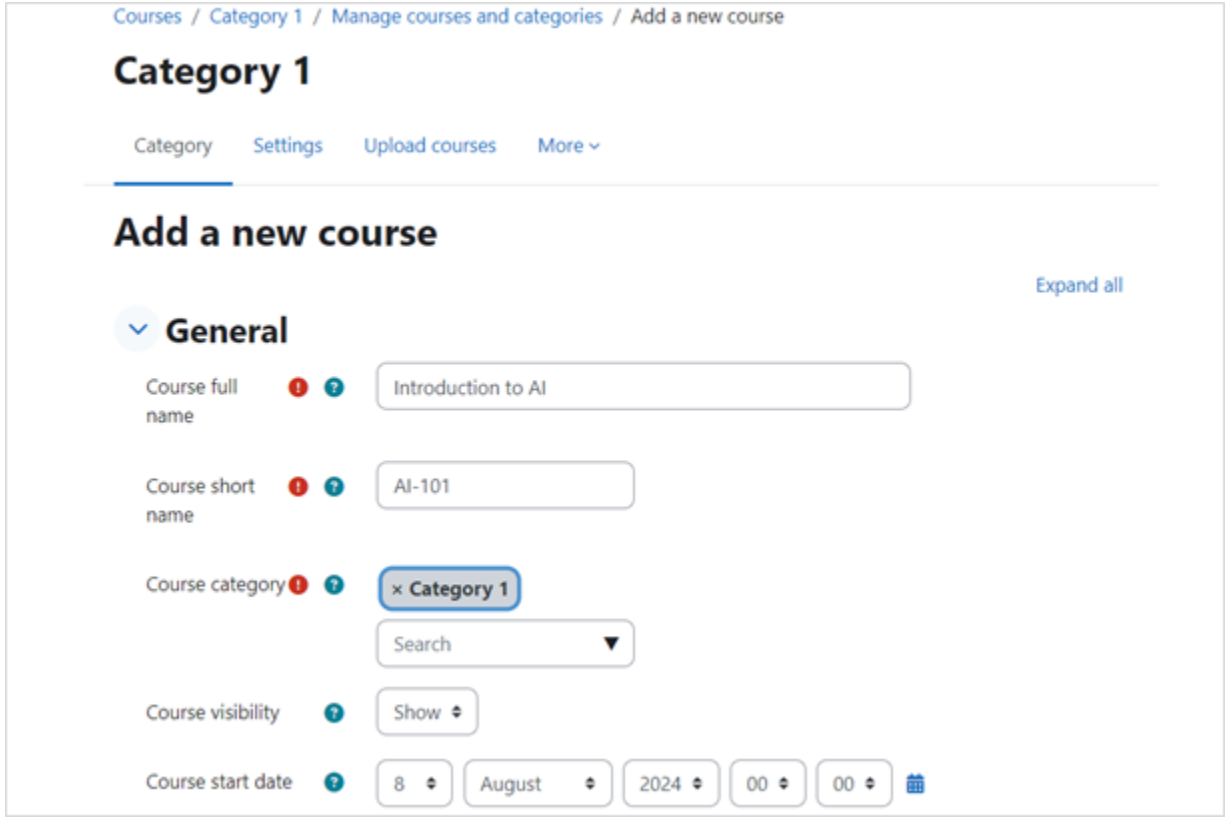
Working on Moodle

- The next step is to understand how courses can be created and how we can share our digital content through the course.
- Click on the “Site Administration” link of your site.
- Site administration is a place where you can manage every activities on your site.
- There, among the options click on “Courses”



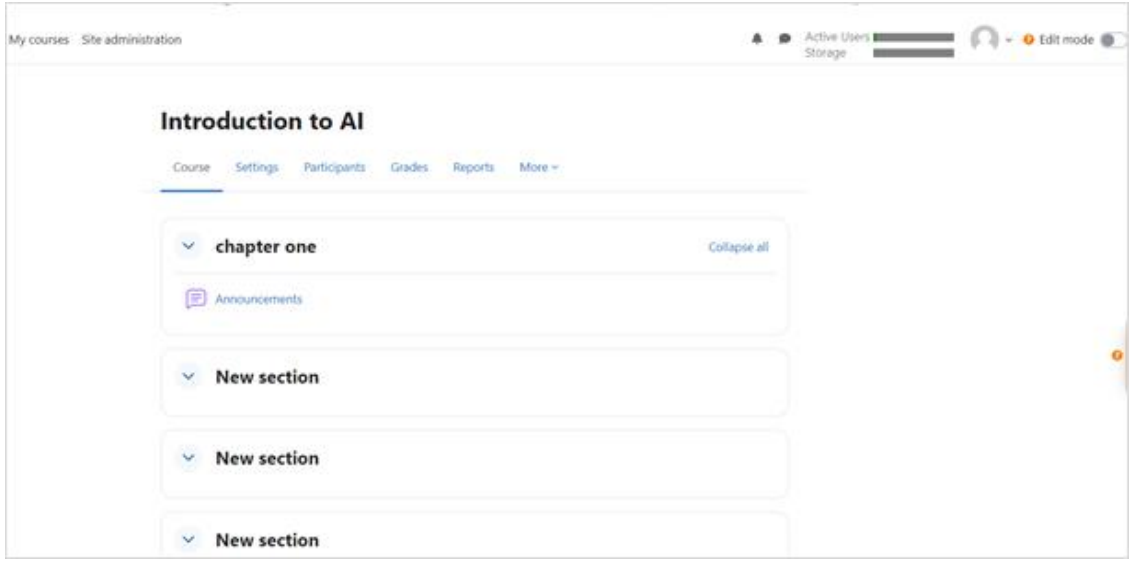
Working on Moodle

- Then choose Add a new course option.
- This will give you a form to fill out about the course.
- This includes course name, course visibility, course start and end date, description, image, course format, and other necessary information.
- I recommend you to check out those options while creating different courses.
- Then click on save and display. Now we can move to My courses link to see the list of courses we created



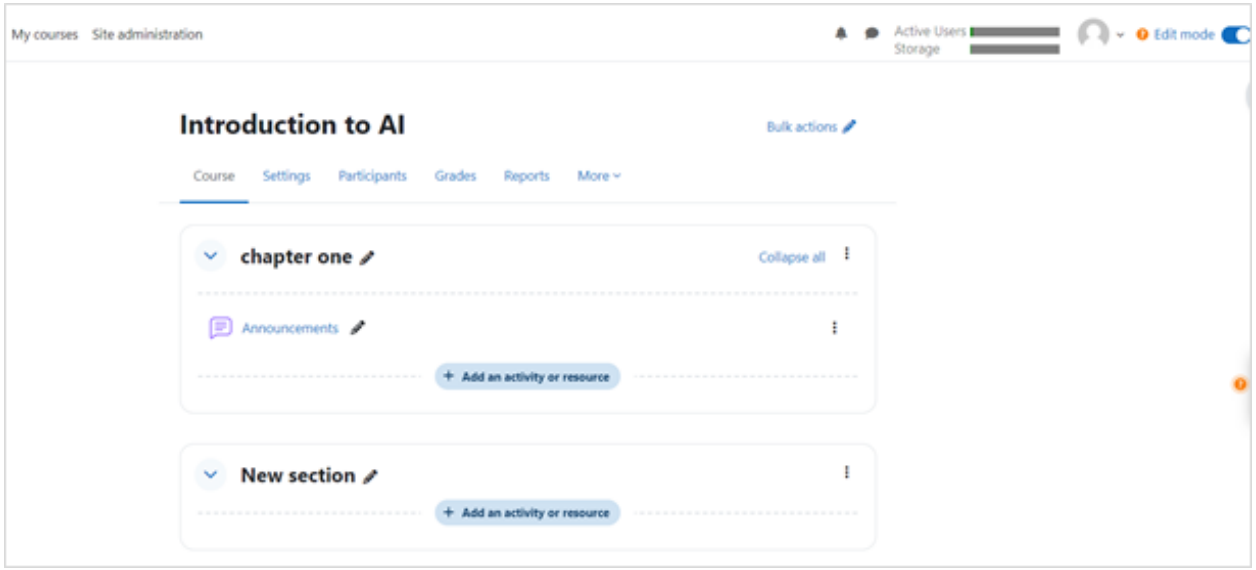
Working on Moodle

- Click on the course name.
- Here you will see options to work on your course.
- Adding files, adding contents like video, adding assignment, quizzes, enrolling students to the course, editing the course, managing grades and other tasks can be done



Working on Moodle

- Here to commit any change on the site, you have to first change it to editing mode.
- To change to editing mode, click on the “edit mode” option on the right top of your page.
- A site with edit mode enabled looks like the following



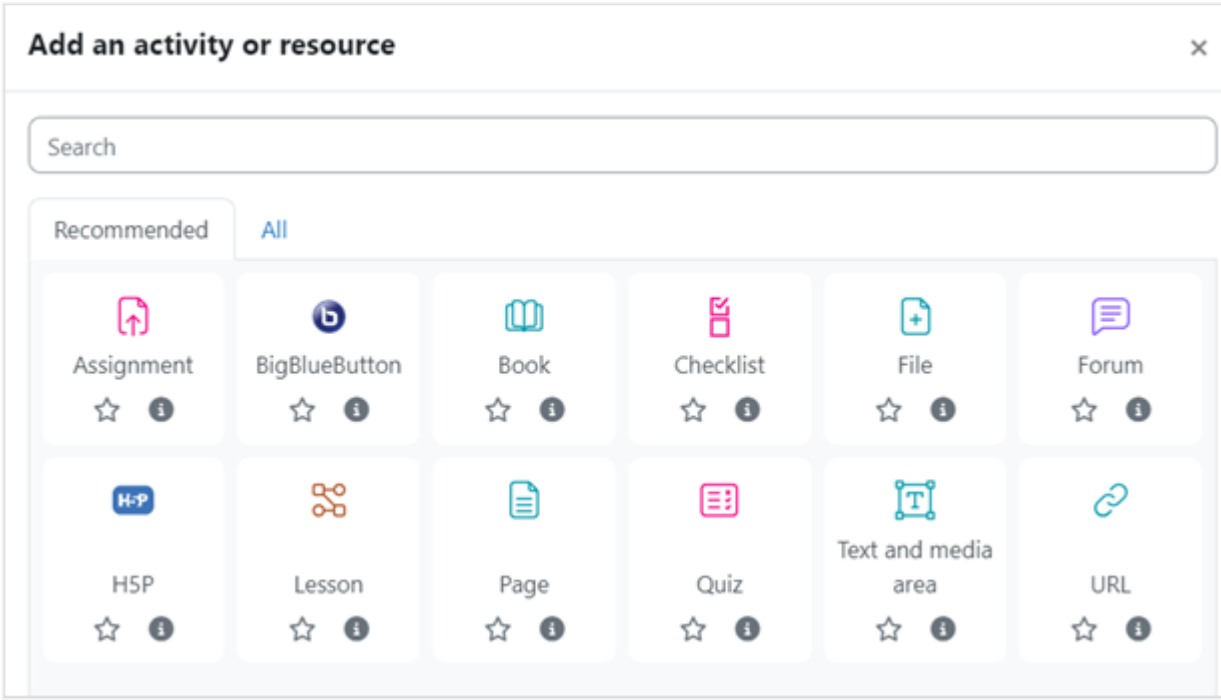
Working on Moodle

- As you see, when the edit mode is enabled, the titles become ready for edition.
- In addition, there is an option called “add an activity or resource”.
- Now let us assume that we have a prepared video content for the first chapter and see how to upload it under chapter one



Working on Moodle

- To add video to your course, click on “Add an activity resource” option under any section you like to add your video
- Now either use “file” or “text and media area” to upload your video. Once after you choose your file, you can manage settings like its appearance, display option, subtitles (if it has), restriction, and other option. Check out the options on the site.
- It is possible to upload video files, audio files, texts, assignments, power points, and other digital contents



Conclusion



Moodle is a powerful and flexible LMS that supports a wide range of educational activities and administrative tasks



Its open-source nature allows for extensive customization and integration, making it a popular choice for educational institutions and organizations looking to create effective and engaging learning environments



With its robust feature set and active community, Moodle continues to evolve to meet the changing needs of educators and learners

Discussion questions

- What are the primary benefits of using an LMS for digital content delivery? How do these benefits enhance the educational experience for both trainers and trainees?
- Can you summarize the key features of an LMS that you find most useful in your teaching practice?
- How do you plan to integrate LMS platforms into your current teaching practices? Can you provide specific examples of how LMS tools will improve your course management and content delivery?
- Reflect on how the communication and collaboration features of an LMS can enhance interaction with your trainees and colleagues. How will you use these tools to foster a more connected learning environment?
- What challenges might you face when transitioning to using an LMS for content delivery? How do you plan to overcome these challenges?

Discussion questions

- How might the need for consistent content management and student tracking affect your workflow? What strategies will you use to manage these tasks effectively?
- How can the skills of using an LMS improve your efficiency in delivering courses and tracking trainees progress? Share an example of how you would apply these skills in a specific teaching scenario.
- Considering the continuous evolution of LMS platforms, how do you plan to keep your skills up to date? What resources or strategies will you use to continue learning in this area?
- How can the lessons learned in this unit contribute to fostering better digital literacy and engagement among your trainees? What role do you see yourself playing in this development?


Thank you