

# AI TOOLS IN TEACHING, LEARNING AND RESEARCH



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## AI Tools in Teaching, Learning and Research



### **Commissionerate of Collegiate Education Government of Andhra Pradesh**

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### Commissionerate of Collegiate Education Government of Andhra Pradesh

This book offers insights on the use of Artificial Intelligence (AI) in Higher Education. It provides educators with a curated selection of AI Tools to enhance Teaching, Learning, Assessment, and Research practices. These tools support the creation of dynamic e-learning materials within existing Single Major Curricular frameworks for all the subjects.

The Content of this book is drawn primarily from documentation and resources found on the official websites of the AI Tools discussed. The educators will discover the techniques to adapt and implement these tools in their regular teaching process, develop effective e-learning resources like video making, presentations, podcasts, assessment tools, etc.

This book is a Compilation of AI Tools which are available on Internet and is used only for educational purpose and not intended for commercial use.

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#### Message



The Commissionerate of Collegiate Education has been implementing various useful initiatives for the development of the marginalised and the first-generation rural students of the state of Andhra Pradesh.

Apart from offering qualitative teaching, the department has been successful in harnessing technology with the traditional classroom teaching through LMS portal.

Now the department has come up with another e-innovation bringing AI-Artificial Intelligence into the classroom, keeping its pace with the fast track of technology, a dedicated IT team of the Academic Cell has brought out a book listing out various tools for use in the classroom.

Such innovations will always stand as beacon lights to inspire the future generations of teachers and students.

I wholeheartedly appreciate the efforts of the Commissioner and his team for bringing out this valuable gift, which is the need of the hour.

> Sri. J. Syamala Rao, IAS Principal Secretary to Government Department of Higher Education Andhra Pradesh

#### Message

It is with great pleasure to share that the book titled "AI Tools in Teaching, Learning & Research" is a comprehensive guide, that the authors have meticulously crafted a roadmap for navigating the dynamic landscape of generative artificial intelligence with practical demonstrations.

Through insightful analysis and practical examples, this book equips readers with the necessary tools and skills to harness the power of generative AI effectively in Teaching, Learning, Content Development, Assessments and Research. Whether you are a seasoned professional or just beginning your journey in AI, this book offers valuable insights and strategies to elevate your understanding and proficiency in this field.

I commend the authors for their dedication and expertise in demystifying complex concepts and providing actionable advice. "AI Tools in Teaching, Learning & Research" is a must-read for anyone looking to stay ahead in the rapidly evolving world of artificial intelligence.

I appreciate the efforts of the Team from Commissionaire of Collegiate Education, Government of Andhra Pradesh for bringing such a worthy book.

> Prof. K. Srinivas Head ICT & Project Management Unit National Institute of Educational Planning and Administration New Delhi

#### Foreword



It is heartening to note that the Academic Cell of the Commissionerate of Collegiate Education is bringing out a book to offer a variety of AI tools for use in Teaching, Learning, Evaluation and Research processes.

In tune with the vision of our Government of Andhra Pradesh, our department is striving to implement the AI tools in the Teaching – Learning process of Collegiate Education.

AI (Artificial Intelligence) tools are increasingly important across various fields and industries to automate tasks, analyse vast amounts of data, and make informed decisions.

The importance of AI tools has gained a new significance due to their innovative ability and creative potential. The Zen-Z wants creative presentation skills for faster learning and application. AI has gathered its space by offering 'personalised learning tools, intelligent tutoring systems and creative content production' in an unimaginable time limit.

This book offers a variety of tools with impressive screen shots to guide the teachers for content creation and presentation.

I appreciate the team for compiling a useful resource on the AI tools, which is an essential requirement for the present-day teaching.

With best wishes,

**Dr. Pola Bhaskar, IAS** Commissioner of Collegiate Education Government of Andhra Pradesh

#### ACKNOWLEDGEMENTS

The compilation of this book, "Artificial Intelligence Tools in Teaching, Learning and Research" would not have been possible without the invaluable support and contributions from a multitude of individuals and organizations. We extend our sincere thanks to the Government of Andhra Pradesh and Sri J. Syamala Rao, IAS, Principal Secretary to Government, Department of Higher Education, Andhra Pradesh, for their vision and unwavering commitment to integrate cutting-edge technologies like Artificial Intelligence into the State's Educational landscape. Their dedication to empowering educators and students with these tools paves the way for a brighter future.

Our heartfelt thanks to Dr. Pola Bhaskar, IAS, Commissioner of Collegiate Education, Andhra Pradesh, for his constant support and able guidance throughout the development of this book. His vision of Digital Inclusion in Higher Education enhances the quality of Education in Andhra Pradesh Government Degree Colleges which also bagged Skoch Gold award.

We extend our sincere thanks to Prof. K. Srinivas, Head ICT & PMU, NIEPA, New Delhi for his continuous support & guidance and to the dedicated Officers of the Commissionerate of

**Collegiate Education, Andhra Pradesh**, whose tireless efforts, and technical expertise were crucial in compiling and organizing this information.

Finally, we acknowledge the contributions of all the **sources of the AI Tools** referenced in this book. Their innovative work in developing and implementing AI solutions for education has laid the foundation for this resource.

We believe this book serves as a valuable resource for educators, researchers, and policymakers in Andhra Pradesh, promoting the effective use of AI tools to transform the Teaching, Learning, Evaluation, and Research landscape in the State's Educational Institutions.

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#### Profile of The Department of Collegiate Education

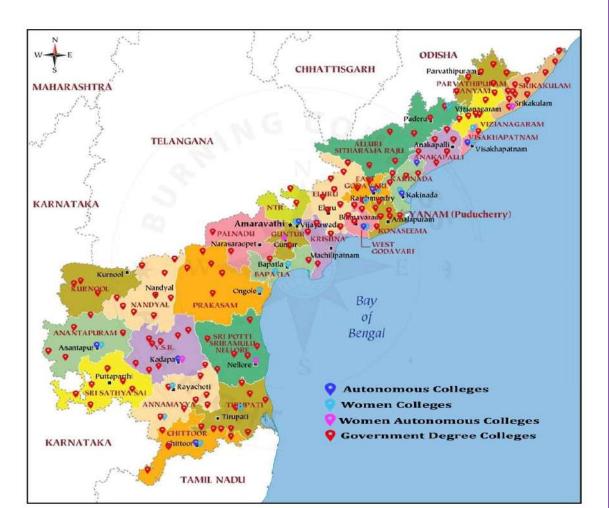
Government Degree Colleges cater to the educational needs of students representing all sections of the society including the poorest, underprivileged communities residing in the remotest parts of the State. Government Degree colleges impart Higher Education to more than a lakh student and among them 48.7% are women students, 29% belong to SC, 11.9 % ST, 46.94% BC and 12.14 % other categories. 4000 teaching faculty members, including regular, recently absorbed, contract and guest faculty are working in these colleges to impart knowledge and skills to the students. Out of 168 Government Degree Colleges, 18 are Autonomous colleges, 3 are colleges with Potential for Excellence, 2 are DBT Star colleges. 67 colleges are having NAAC valid grade out of which 6 colleges are having A+ grade, 13 colleges A Grade, 13 colleges B++ grade, 16 colleges B+ Grade and 15 colleges with B grade.

In a significant push towards Digital Inclusivity and Efficient Governance, the Department has embraced a range of innovative e-initiatives, transforming the landscape of Collegiate Education in the State. These initiatives, spanning diverse aspects from Classroom Monitoring to Internship Tracking, are geared towards enhancing transparency, improving communication, and fostering a student-centric ecosystem.

Faculty Development Programmes for faculty, leadership training programmes for Principals, Handholding of colleges for NAAC, organizing Mega Campus Drives, arranging inclusive activities are few initiatives of the Department.

#### Details of GDCs New District wise:

S.No.	Zone	District	No. of GDCs	No. of GDCs for Women	No. of Autonomous Colleges
1	Ι	Alluri Sitharama Raju	7	2	0
2	Ι	Anakapalli	6	0	1
3	Ι	Parvathipuram Manyam	6	0	0
4	Ι	Srikakulam	11	1	1
5	Ι	Visakhapatnam	4	2	1
6	Ι	Vizianagaram	6	0	0
7	II	Dr. B.R.A. Konaseema	7	0	0
8	II	East Godavari	7	2	1
9	II	Eluru	8	0	0
10	II	Kakinada	7	1	3
11	II	Krishna	4	0	0
12	II	NTR	4	1	1
13	II	West Godavari	6	1	2
14	III	Bapatla	4	2	0
15	III	Guntur	2	1	1
16	III	Palnadu	3	0	0
17	III	Prakasam	6	1	0
18	III	SPS Nellore	7	1	1
19	IV	Tirupati	9	1	0
20	IV	Anantapuramu	7	1	2
21	IV	Annamayya	9	3	0
22	IV	Chittoor	8	1	2
23	IV	Kurnool	4	0	0
24	IV	Nandyal	10	0	0
25	IV	Sri Satya Sai	6	1	0
26	IV	YSR Kadapa	10	2	2
		Total	168	24	18



#### Map showing locations of GDCs in AP

# CHAPTER – 1 INTRODUCTION





#### CHAPTER -1 INTRODUCTION

In today's fast-paced technological world, AI is all around us, subtly enhancing our daily experiences. Whether it's Netflix suggesting your next binge-watch or your phone organising your photos, AI is behind the magic. You don't have to be an AI expert, but understanding its role is crucial, especially for teachers. AI is reshaping how we teach, learn, and assess, offering both opportunities and challenges. To leverage AI effectively, strategic use is a key. This book acts as a compass to navigate AI tools, unlock their potential, and uphold human-centered education principles.

#### 1.1 AI - What is it?

Artificial Intelligence (AI) is the science and engineering of creating machines and systems that can perform tasks that normally require human intelligence, such as understanding language, recognizing images, solving problems, and learning from data. AI has been advancing rapidly in recent years, thanks to the availability of large amounts of data, powerful computing resources, and innovative algorithms. AI has the potential to transform various domains of human activity, such as health, education, entertainment, business, and security.

One of the most exciting and promising areas of AI is Generative AI, which is the ability to create new and original content, such as text, images, music, code, and more, based on some input or guidance. Generative AI can be seen as a form of creative expression, where the machine collaborates with the human to produce novel and valuable outcomes. Generative AI can also be used to augment and enhance human creativity, by providing suggestions, feedback, and alternatives.

AI isn't one single technology: it's a toolbox overflowing with possibilities. To list a few:

- Machine Learning: Systems that "learn" by uncovering patterns in massive datasets.
- **Deep Learning:** Advanced techniques, mimicking our brains, for tasks like image and voice recognition.
- Natural Language Processing: Enabling computers to understand and communicate like humans do.
- Generative AI: The creative force producing and generating amazing text, images, and even code automatically with simple prompts.

Where, a prompt is a concise textual input that the Generative AI Bot uses to generate the output based on its functionality.

#### 1.2 Why Education Needs AI Integration?

Education is a fundamental human right and a key driving force for social and economic development. However, education also faces many challenges: such as access, quality, equity, relevance, innovation, identifying diverse student needs, rapidly shifting information landscapes, and a pressing demand for 21st-century skills. AI is not a magic bullet, but a powerful tool waiting to be harnessed with creativity and purpose. Moreover, it is the key to meeting these challenges head-on. From adapting lessons in real-time to providing instant feedback on student projects, AI is poised to reshape the way we teach, learn, and conduct research.

AI isn't about robots seizing control of classrooms; it's about sophisticated algorithms and techniques that emulate human intelligence. AI can be seen as an extensive digital toolkit that enables:

- **Personalize Instruction:** Imagine an AI tutor adapting to a student's learning pace, tailor learning paths to individual needs, identify knowledge gaps, and provide targeted feedback to each learner, accelerating progress towards learning goals.
- Automate Tasks: Streamline lesson planning, grade assessments, and generate engaging learning content.
- Analyses Data: Uncover patterns, predict trends, and reveal valuable insights in educational data.
- **Ignites Creativity:** Generate original text, images, code, and other content, unleashing student ingenuity.

#### Wide range of AI tools tailored for education sector:

- Generative AI as a game changer: Generative AI revolutionizes education by personalizing content, fostering collaboration, and promoting creativity.
- AI-powered Assistants: These intelligent companions offer ondemand support, answering student questions, providing guidance, and even acting as a practice partner for language learning.
- Adaptive Learning Platforms: These AI-driven platforms leverage student data to personalize learning paths, offering targeted practice exercises, and adapting to individual pace and understanding.

#### 1.3 AI Revolutionizing Education: From Classrooms to Research Labs

- **Teaching:** PowerPoint generation, lesson customization, and intelligent learning resources.
- Learning: Personalized learning paths, immediate feedback, and realtime support for diverse learners.
- **Evaluation:** Automated grading, insightful analytics, and identifying areas for improvement.
- **Research and Analysis:** Uncovering hidden patterns in educational data, and predicting trends.
- **Mining vast datasets:** Imagine AI quickly identifying trends, analysing research papers, and suggesting relevant resources, accelerating discovery, and saving researchers' valuable time.
- Automated citation checking and plagiarism detection: Ensure the integrity of research with AI-powered tools that streamline these tedious tasks.
- **Personalized writing assistants:** Enhance research papers with AI tools that provide grammar suggestions, improve clarity, and ensure academic style consistency.

The integration of AI into education represents a significant step forward, demonstrating educators' commitment to innovation. Let's work together to leverage the power of AI to create a future where educators are empowered, learners are deeply engaged, and cultivates a lifelong passion for learning.

#### 1.4 In this Book:

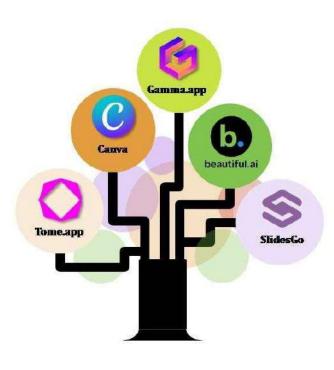
This book explores the revolutionary impact of AI, specifically generative AI, on the field of education. It delves into reshaping of teaching, learning, and assessment through AI technologies. Emphasizing that AI serves to enhance rather than replace the educator. It emerges as a powerful tool to personalise instruction, pinpoint areas for improvement, and prepare students for a dynamic world.

This book delves into practical applications of AI tools in education. The Introduction introduces AI, followed by Chapters 2 and 3 focusing on AI tools for teaching (e.g., lesson plans, presentations, videos) and learning (e.g., ChatGPT, Bing AI, Copilot). Chapter 4 explores AI-powered evaluation tools (e.g., Quiz GecKo, Survey Sparrow), while Chapter 5 examines how AI supports research through data analysis and visualization. By leveraging the insights and strategies in this book, you can pave the way for a future where AI empowers educators, engages learners, and drives a new era of personalized, impactful education.



Remember, this is just the beginning. AI in education is a rapidly evolving field. Let's use AI as our tool, not the other way around. Are you ready to unlock the potential of AI in your educational journey? Turn the page and discover the possibilities!

# CHAPTER – 2 AI IN TEACHING PRESENTATION TOOLS





# CHAPTER -2 AI IN TEACHING

# 2.1 AI Tools in Teaching - Tools to Create Presentations

Launch a transformative journey in your classroom by harnessing the power of AI to revolutionize your teaching methods, empower students, and delve into a realm of insights through the infusion of creativity in your teaching and learning practices. Prepare to create visually engaging lessons, support student-led projects, and gather actionable data to enhance your teaching using cutting-edge AI tools like Gamma AI, Tome, Beautiful.ai, Slides.ai, SlidesGo, and Canva.

## 2.1.1 Gamma

It is an AI-powered tool that allows you to quickly create beautiful and interactive presentations, reports, and web pages. Think of it as a streamlined alternative to traditional slide-based presentations, designed to make presenting information engaging and clear. It offers an array of tools and features to transform presentations into visually engaging experiences, ensuring maximum impact and effective communication.

# Features of Gamma App:

- **AI-Powered Content Generation**: Get suggested text, outlines, and visuals based on your input. Simply start with a prompt, and Gamma helps you shape the content.
- Flexible Formats: Gamma departs from traditional slide-based presentations, allowing you to build linear narratives, non-linear decks, or interactive webpages.
- **Smart Design**: Effortlessly adjust themes, fonts, and styles for a polished look without extensive design work.
- Collaboration Tools: Invite team members to contribute or comment in real-time.
- **Templates:** Provides a wide range of templates and themes to enhance visual appeal.
- **Transitions & Effects:** Add impressive transitions and visual effects to captivate the audience.
- **Colour Customization:** Customize colours to match branding or to create visually appealing slides.

# **Functionality:**

Gamma App offers exciting possibilities for enhancing the learning experience in various ways:

# • Teaching:

- Quickly create visually appealing slides.
- 0 Incorporate interactive elements to spark classroom discussion.
- Streamline the creation of teaching materials and resources.

# • Learning:

- Helps students structure ideas, present research, and improve presentation skills.
- o Interactive projects foster collaboration and active participation.

# • Evaluation:

• Facilitates novel presentations or webpages as a creative form of assessment.

# • Benefits in Teaching, Learning, and Evaluation

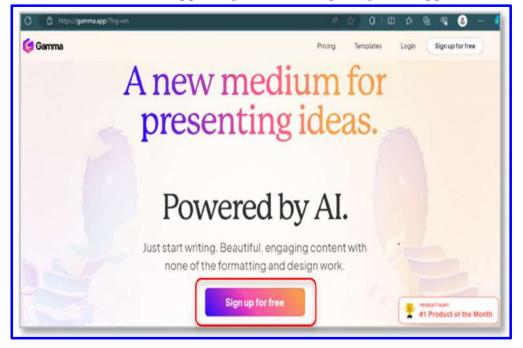
- **Creativity and Expression**: Offers various formats fostering students' diverse creative outlets.
- Ease of Use: No extensive design skills needed to achieve an appealing end-product.
- **Collaboration**: Empowers teamwork on projects and provides feedback throughout the process.
- **Engagement:** Breaks from traditional slideshows for more dynamic and interactive experiences.
- Limitations
  - **AI's Limits:** Content may need careful reviewing to ensure how it aligns with lesson goals and is factually accurate.
  - **Internet Dependence**: Gamma.app is a web-based tool that requires reliable internet access.

# Source:

https://gamma.app



# Walkthroughs



Visit Gamma.app using the URL: <u>https://gamma.app</u>

Sign Up / SignIn: Create an account by clicking on the "**Sign up for Free**" button in the above image or Login/Sign in with Your Existing Google Account and submit the details.

C 🗈 https://gamma	.app/signin?logout_success=true
🎯 Gamma	
Sign in G. Continue with Google or Email	
Password	
Forgot password?	
Sign in	
Don't have an account? Sign up	and the second se

Now, click on the "Create Workspace" button, it will open a page "Tell us about yourself". Provide the details and then click on submit as shown below:

Step 1/2
Welcome to Gamma
To get started, give your workspace a name.
Steam or company
Workspace name
LMS AP's Workspace
Create workspace

	**
	e to learn more about you so we can better
tailor ou	r product and prioritize new features.
	(Don't worry, this will take 5 seconds 👌 )
	How are you using Gamma? •
	For work
	For school
	<ul> <li>For personal use</li> </ul>
	What kind of work do you do? *
	Education ~
	Which of the following best
	describes your role? *
	Teacher
	University and higher educatic 🛩
	We use this information to create more relevant features and templates
	How did you hear about us?
	Search (Google, Bing, etc.) 🗸
	Grant says thank you 🙏

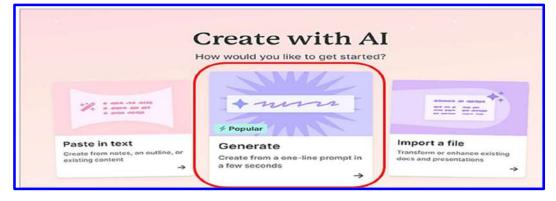
bove image,

After filling in the details about yourself as shown in the above image, click on the "Submit" button. Then, it will open the page for your, where you can Start a New Presentation

- Start a New Project: Choose your desired format (presentation, webpage, etc.).
- To make a new Presentation, document, or web page, click on "+ Create New AI" or "+ New from Blank" to create it yourself without AI, or choose "Import". Begin with "+ Create New AI".
- Click on "+ Create New AI" button to start:



Now, select "Generate" to create a presentation, document, or web page from a one-line prompt within seconds, then click on "Continue".



Selecting "Generate" in the above screenshot will activate the "Continue" button to proceed with creating a Presentation, Document, or webpage.



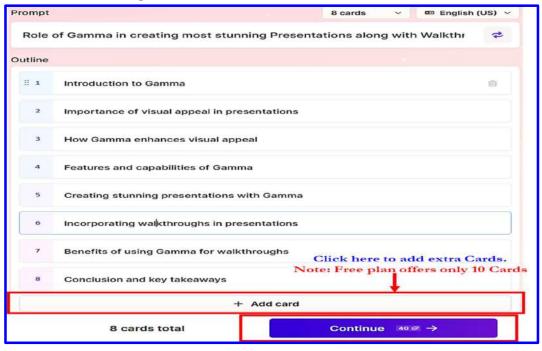
To create a presentation, enter a one-line prompt describing the objective of the presentation.

	What		d you like to cre		dayî	,	
8 cards 🗸	Presen		Document	Web	page		
Describe what	you'd like to	o mak	e Try it out				
The most ridice moments in NB history	and the second	*	Explain the big bang to a 17th century pirate	+	x	Presentation proposing a family vacation to Barbados	.ek

Type the description of the topic for the presentation in the text box, Gamma automatically presents 8 slides, displayed as "8 cards" in the screenshot. Next, click the "Generate Outline" button.

	Ge	enerat	te	
	What would	you like to cre	eate today?	
	Presentation	Document	Webpage	
8 cards 🗸 📼 E	nglish (US) 🗸		<b>One-li</b>	ne prompted entered
Role of Gamma in o	creating most st	unning Present	tations along with	Walkthroughs
	Ge	nerate outline	→	

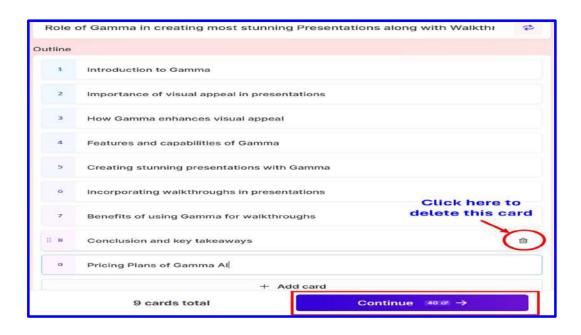
Clicking "Generate outline" will display the outline with 08 cards. You can add more cards by clicking "+ Add Card" or proceed by clicking "Continue". Gamma will suggest AI content and create outlines, text sections, and images.



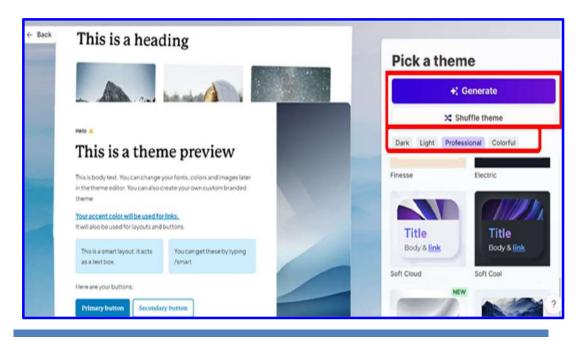
To add an extra card, click on "+ Add Card" and enter the card details, such as "Pricing Plans of Gamma AI".

	of Gamma in creating most stunning Presentations along with Walkthr 🤹
Dutline	
1	Introduction to Gamma
2	Importance of visual appeal in presentations
з	How Gamma enhances visual appeal
4	Features and capabilities of Gamma
5	Creating stunning presentations with Gamma
6	Incorporating walkthroughs in presentations
7	Benefits of using Gamma for walkthroughs
8	Conclusion and key takeaways Newly added card
9	Pricing Plans of Gamma Al
	+ Add card
	9 cards total Continue 40 @ →

To remove unnecessary/unwanted cards, click on the card you want to delete. A trash icon will then appear on the right side of the card. Clicking on the **trash symbol** will delete the selected card.

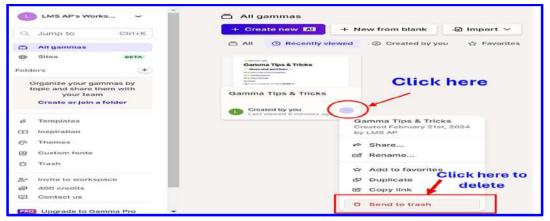


Clicking "Continue" generates the theme preview. From there, you can choose themes displayed on the right-side panel or click "shuffle theme" to change the theme. You can also select theme types like "dark," "light," "professional," or "colorful" and click "Generate" to create the presentation. Utilize tools to personalize content, edit text, and modify styles.





**Removing unwanted Gammas** by clicking "…" highlighted in blue at the bottom right corner of the gamma selected. Then, click on "send to trash" as shown below:



You can share the presentation or documents with others by clicking "**Copy link**" and then the "**Done**" button.

${\mathscr O}$ Share Introduction to Gamma	×
Ar Invite others Share publicly & Export  Embed	
Q Add emails or people	
Only those invited can open the link to this gamma.	
Workspace members	No access 🗸
LMS AP (You)	Full Access
Anyone with the link Can view ①	View 🛩
https://gamma.app/docs/Introduction-to-Gamma-zmo4ej5n55txa7c	Copy link
L曲 View analytics	Done

AI TOOLS IN TEACHING, LEARNING & RESEARCH

To download the presentation or documents, click on the **share** symbol and then select "**export**". Next, click the download icon by choosing the format either as PDF or export to PowerPoint.

@ Share	Introduction to Gamma	×
옹* Invite others Download a static co	S Share publicly Export  Embed	
Export 1	to PDF	也
Export 1	to PowerPoint	Ł
For fonts to dis Mackinac	splay correctly in PowerPoint, you may need the following fonts: Eudoxus Sans	
Tip: you can control	card sizing and backdrops in page setup.	
	th Gamma" badge PLUS vork without any Gamma branding.	
네 View analytic	cs	Done

To add the presentation to any online platform, click on "share", then select "</> Embed", ensure access is set to public, click on "copy embed code", and finally, click on the "Done" button.

Share Introduction to Gamma	×
음+ Invite others	
Enable public access to embed a copy of this gamma anywhere online.	
Public access     Anyone with a link can view ①	
<pre><iframe 100%;="" 450px"="" allow="fullscreen" gamma"="" height:="" max-width:="" src="https://gamma.app/embed/zmo4ej5n55txa7c" st="" title=""></iframe></pre>	· 사람들은 이 사람 방법을 가장 같은 것은 것은 것은 것은 것을 가장 것을 하는 것을 하는 것을 수 있다. 것은 것은 것을 가지 않는 것을 수 있다. 것을 하는 것을 하는 것을 수 있다. 것을 하는 것을 수 있다. 것을 하는 것을 수 있다. 않다. 것을 수 있다. 않다. 않다. 않다. 것을 수 있다. 않다. 않다. 않다. 것을 수 있다. 않다. 않다. 않다. 않다. 않다. 않다. 않다. 않다. 않다. 않
	Copy embed code
Remove "Made with Gamma" badge PLUS	
Upgrade to share your work without any Gamma branding.	
Lee View analytics	Done

The same steps used for generating presentations may be used for generating documents/reports from one-line prompts, except selecting the "document" instead of presentation:

- First, click on generate.
- Select the document icon.
- Enter the prompt to give the details of the topic.

• Click on "Generate outline".

	What would	d you like to cr	eate today?	
	Presentation	Document	Webpage	
8 cards ~	🚥 English (US) 🗸		s along with Walkth	

The same steps used for generating presentations and documents may be used for generating "Webpage" from one-line prompts, except selecting the "Webpage" instead of Presentation / Document:

- First, click on generate.
- Select Webpage.
- Enter the prompt to give the details of the topic.
- Click on "Generate outline".
- Now. Click on "publish".

	enera I you like to cr		
Presentation	Document	Webpage	
■ English (US) ~	p-by-step guid	e on how to use G	amma.app
G	enerate outline	<b>→</b>	

After getting the Webpage outline, you can publish the web page on clicking "Publish" at the top right corner as shown below:



Published page can be used to publish the site, publish the page or to preview the page as shown below:

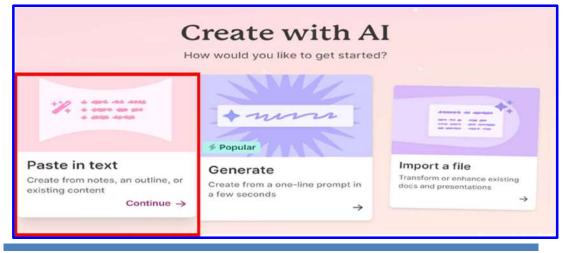
🕼 🗧 Gammalapp Duide 🛩		Ø Theme III Share <mark>✓ Published ↓</mark> D
Normality of the second	Introduction to Gamma.app	Alt changes are published Site last published less than a related rays. (8) Publish 2: Publish site System years which with behaver! 3: Publish this page Citier pages and sits settings event he affected
	A step-by-step guide to make the most out of Gamma.app, a powerful coding environment for developers.           Downskoad Now         Learn More	Preview     Preview this page     Lee preview this page     Are your changes before publiciting     Arecre biopage
A data and and a data	Step 1: Downloading and	

Published web page created using Gamma.app, can be viewed in Desktop view/ Tablet View and Mobile View. The Desktop view of it is as follows:



Generating Presentations from the predefined Text.

• Select "Paste in text" in the Create with AI page and click "continue:



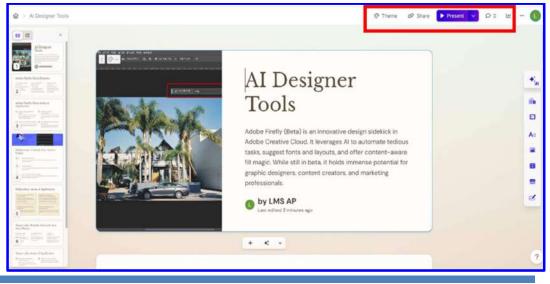
Copy the text, choose "Presentation/Document/Webpage," and then click "continue."



It shows a preview of themes. Select a theme from the list provided and choose a color scheme - dark, light, professional, or colorful - that you prefer.

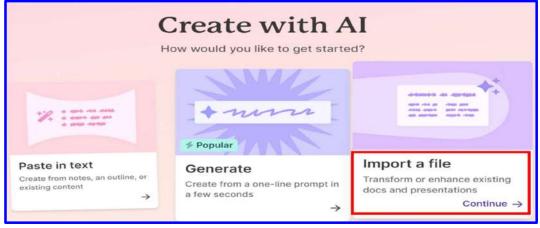


Click on "Generate", and it will create the slides just like when you used "Create with AI" with the "one-line Prompt". The following steps remain the same.



Creating new presentations, documents (reports), or web pages from the ones you already have.

• Choose the "Import a file" option on the "Create with AI" page and click "continue".



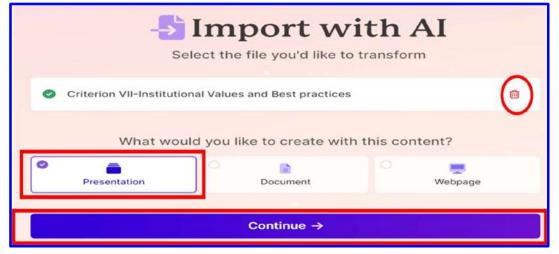
You will now see two options: **Import from Drive** or **Upload a file**. You can select either one.

Import from Drive <ul> <li>Google Slides (text only)</li> <li>Google Docs</li> </ul>	Upload a file ~ Powerpoint PPT/X (text only) ~ Word docs	

If you choose the "upload a file" option, it will allow you to "Browse files" to upload only PPTs or Word documents.



On the "Import with AI" page, your uploaded file is shown with a **trash** icon on the right for deleting. To make a presentation, document, or webpage, choose the format you want and click "Continue".



Note: All the other steps are similar to creating presentations using "Generate using One-line Prompt" or "Paste in text" options.

# Subscription Details:

There are two kinds of plans available.

- Free Plan: Offers basic features to get started.
- Paid Plans: Provide expanded storage, collaboration tools, and advanced customization.

F	Plans & Pricin	ıg
Fre <b>SO</b> Juser per month <b>DE</b> <b>O</b> <b>O</b> <b>O</b> <b>O</b> <b>O</b> <b>O</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b>	Vertering       Vertering         Plus       Vertering         SS8       /user per month         Plan includes:       0         400 credits per month         Semmar badge         PDF export         PDF export         PPT export         Odday change history         Unlimited folders	Pro Pro Pro Pro Pro Pro Pro Pro

# 2.1.2 Tome

It is a website that offers an artificial intelligence (AI) tool for creating personalized teaching materials for various subjects and topics. Use the Tome application to plan your lessons, create exercises and worksheets, and generate quizzes and tests with the help of AI. Also use the Tome app to access and modify pre-made content from a library of over 500 exercises and worksheets.

#### Features

- **AI-Powered Content Creation:** Generate a wide range of content (puzzles, exercises, etc.) from text, images, documents, videos, or web articles using natural language instructions.
- **Gamification:** Boost engagement with options like WhatsApp chats, emails, and various themes. Customize difficulty and format to tailor learning experiences.
- **Curriculum Alignment:** Ensure that the content matches standards like Common Core and others. Filter by subject, topic, grade, and skill.
- **Templates:** Create and save reusable templates for efficient workflows. Access and use templates shared by other users or the Tome team.
- **Collaboration:** Share content via links or embed codes. Invite others to view and edit, and integrate with tools like Slack, Gmail, and Zapier for seamless collaboration.

# **Functionality in Education:**

- Teaching
  - **Engaging Lessons:** Create interactive, data-driven lessons that capture student interest.
  - Efficient Content Generation: Save time developing materials; AI assists with tasks like writing quizzes or finding relevant visuals.
  - **Data-Driven Instruction:** Utilize real-world datasets to ground lessons in practical examples.



- Learning
  - **Personalized Practice:** Students work with datasets aligned to their interests and skill levels.
  - **Exploration and Discovery:** Tools encourage independent data analysis, fostering insights.
  - **Skill Showcasing:** Portfolio features help students display their data analysis projects.
- Evaluation
  - **Holistic Assessment:** Track student progress with AI-generated quizzes and feedback tools.
  - **Data-Informed Improvement:** Analyze feedback, attendance, and other data to optimize teaching strategies.
  - **Clear Communication:** Visualizations make it easy to share insights with colleagues and stakeholders.

# Limitations

- **Reliance on Input**: The quality of AI-generated content depends heavily on the quality of the data and prompts provided.
- **Potential for Bias:** AI models can reflect biases present in training data. Careful selection of datasets and critical evaluation of output are crucial.
- Limited Contextual Understanding: AI may struggle with tasks requiring deep understanding of complex concepts or fine language.
- **Technical Expertise:** Educators may need some data analysis knowledge to fully utilize Tome's features.
- **Potential for Overreliance:** It's important to balance AI's use with traditional teaching methods and critical thinking development.

**Note:** AI tools like Tome are constantly evolving. Some of these limitations may be addressed with future updates.

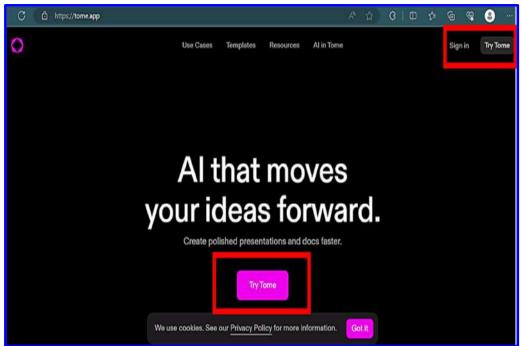
# Source:

https://tome.app/

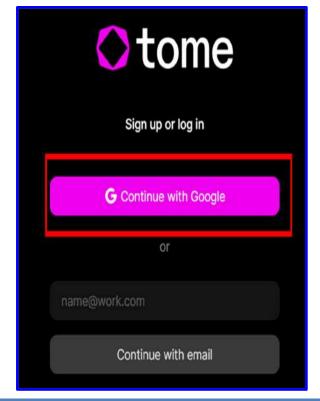
AI TOOLS IN TEACHING, LEARNING & RESEARCH

#### Walkthroughs:

Visit Tome Application website: <u>https://tome.app/</u>



To sign up or sign in, click on "**Try Tome**" if you are a first-time user. Then, click on the "**Continue with Google**" button and follow the steps until you see "**Continue**", then click on it.



It will now open a "Create your profile" page. Enter your First Name, Last Name, choose your occupation from the dropdown menu, and then click "Next".

Create your pr	ofile
Please tell us a bit abou can collaborate with oth	
What should we call you?	
Jyothi	SMJ
What kind of work do you d	0?
Educator	
Ne	ext

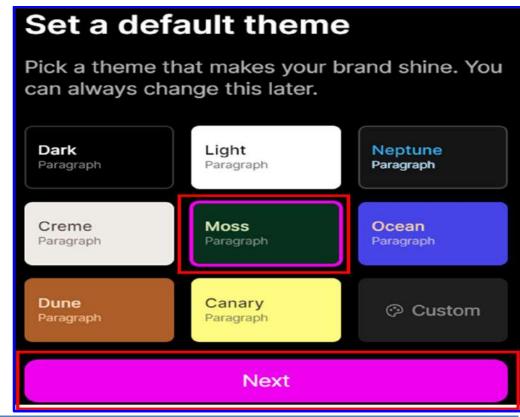
As you create your profile, a form titled "**Tell us about your work**" will appear. Fill in all the details and click "**Next**".

Tell us about your work	
We'll use this information to personalize your Tome onboarding experience.	
What is your role?	
Department lead ~	
How big is your company?	
1-50 ~	
What is your company's website	
ccelms.ap.gov.in	
Next	

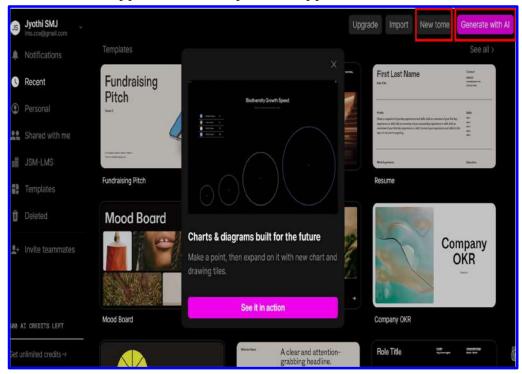
As part of setting up your workspace, you will be asked to provide a Workspace Name. Once you enter the Workspace Name, click on "Next".

Create your workspace	
A workspace is a shared space for your team to create and collaborate on tomes.	
Workspace name	
JSM-LMS	
tome.app/jsm-lms	
Next	

Choose a theme from the list provided as the default (Moss), then click on "Next".

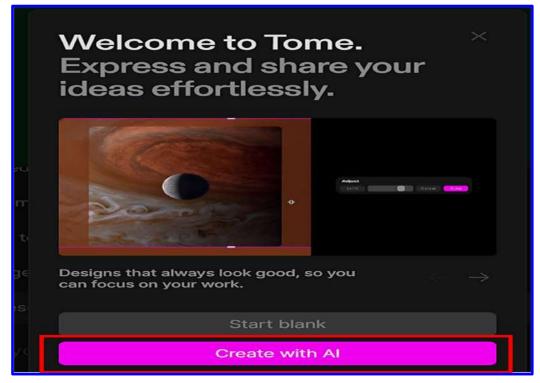


AI TOOLS IN TEACHING, LEARNING & RESEARCH

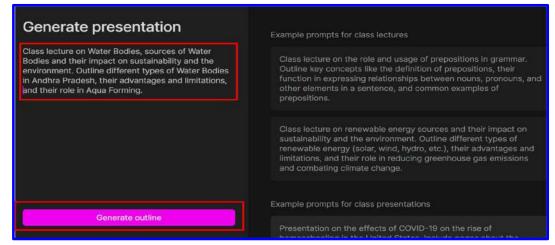


Now, the Tome's Application Workspace will appear as shown below:

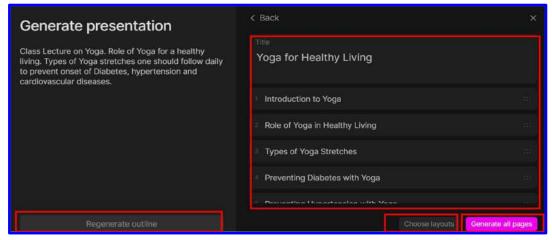
**Start a New Tome:** Click on "**New Tome**" in the upper right corner. Then, on the "Welcome to Tome" page, click on the "Create with AI" button to start a new Presentation.



**Enter Your Prompt:** Enter a clear description of your topic or paste some text into the text field. Then, click on the "Generate outline" button.



Verify the Outline and select either "Generate all Pages" or "Choose Layouts" button. When you click on the "Generate all Pages" button, otherwise click on the "Regenerate outline" button.



The presentation is generated with all the pages outlined. To play the presentation, click on "Presentation Icon" at the top.

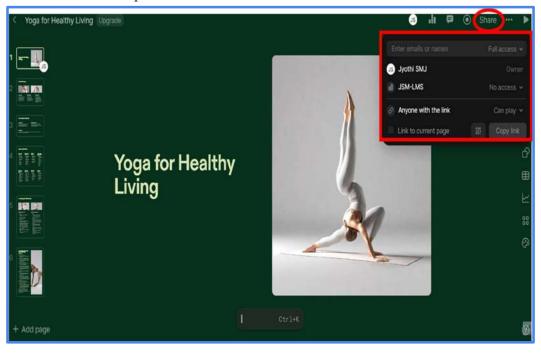


#### View the Slide show as shown below:



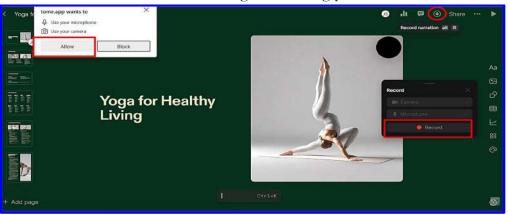
## Sharing: To share the link:

- Click "Share" in the top right corner.
- Choose "Can Play" under "Anyone with the link".
- Click "Copy Link" to copy the link.
- Share the copied link with others.



# To record a video with narration for the Presentations:

- Click the "Record Narration" icon in the top right corner.
- Allow access to your microphone and camera.
- Click the "Record" button to begin recording your narration.



After recording, your video will appear below. You can "retake" or "delete" it using the buttons in the recording options.

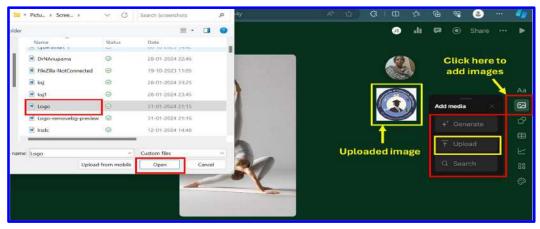
## In the Recording Mode:



#### In the Presentation Mode:



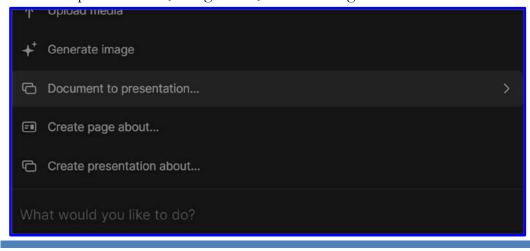
**Customization**: You can customize the slides with basic AI-generated content by editing text, rearranging layouts, and replacing the images to suit your preferences. You can also include media or images, as demonstrated below:



You can customize the presentation by adding tables (datasets), visualizations to create dashboards, themes, shapes, tiles, and changing font styles using the tools provided on the right side, as displayed below:



Similar to presentations, using Tome, the following can also be created:



To create web pages, click on "New Tome", then select "Create a Page about", enter your prompt to generate the page. You can add web images or AI images and then click on the "Generate" button.

< Create page about	
Yoga in Daily Life	
🕚 🕞 Al images	Generate

To Generate Images using Tome:

- Click on New Tome
- Select Generate Image

✦ <sup>+</sup> Generate image	¢
Document to presentation	
Create page about	
Create presentation about	
What would you like to do?	

• Enter the prompt in clear manner, click on advanced to specify what is to be excluded, dimensions of the image, then click on the "Generate" button.

		C Generate ×
	Cenerate Cenerate Cenerate Cenerate Cenerate an image of a princes living in a castle depicting the ancient culture.	Generate an image of a princes living in a castle depicting the ancient culture.
+ <sup>+</sup> → Q Generate Upload Search	Generate	Ownerate Advanced
Contrate Cancel Sources	Advanced	sky, cloud, tree
	Exclude from image sky, cloud, tree	Portrait 4:5
	Dimension Portrait.4:5 ~	
	Square 1:1 Widescreen 16:9	
	Ultrawide 21:9 Vertical 9:16 Portrait 4:5	
	Portan a.5.	

Then it will generate four images as shown above. When a particular image is selected it will be displayed in portrait

# To link your Data:

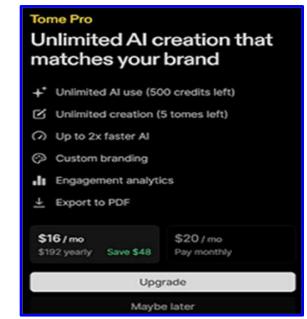
• Select a supported connector (Shopify, Google Analytics, etc.) or upload your own file (CSV or Excel).

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Untitled		DA	StudentPerforman		20-02-2024 19:52	-			
		File	name: StudentPerformance	~ Microsoft E	iscel Comma Separat 🗸		Chart	×	
			U	load from mobile Open	Cancel	1	Edit data	Upload CSV	Aa
	Edit da	a.	500	-			-hps		63
		- A	100	20		-	of Column	¥	<sub>හ</sub> To l
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## **Subscription Details**

It offers both free and paid plans.

- Free Plan: Offers basic features to get started.
- Paid Plans: Provide expanded storage, collaboration tools, and advanced customization.



# 2.1.3 Beautiful.ai

Beautiful.ai is a cloud-based presentation platform that leverages artificial intelligence (AI) to simplify and streamline the presentation creation process. It aims to help users create visually appealing and professional-looking presentations quickly and easily.

# Features

- Smart Slide Design: Automatically applies design principles to the content, ensuring a cohesive and polished look. Can customize the presentation with themes, layouts, colors, etc.
- **Template Library:** Access a vast collection of pre-designed templates for various purposes (business pitches, educational lessons, etc.).Can create and save your own templates for future use.
- Media Library: Browse and seamlessly integrate millions of free photos, icons, and videos. Upload your own media or import from services like Google Drive or YouTube.
- **Collaboration:** Invite others to view, comment, or co-edit your presentations in real-time.
- **Sharing:** Distribute your work via links, embed codes, or export to standard formats like PDF or PowerPoint. Integrations with tools like Slack and Gmail simplify the sharing process.

# Functionality in Education

- **Teaching:** Design engaging lectures, interactive assignments, and data-driven assessments.
- Learning: Students explore datasets, practice data skills, and create portfolios to showcase their work.
- **Evaluation:** Track student feedback, attendance, and other metrics. Visualizations aid in sharing insights for continuous improvement.

# Benefits

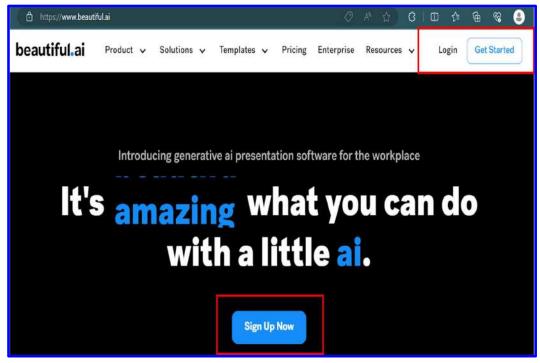
- Enhanced Data Literacy: Develops critical skills in data collection, analysis, visualization, and storytelling.
- **Boosted Engagement:** Captivating presentations and interactive elements keep students interested.
- **Stronger Collaboration:** Seamless sharing tools foster a collaborative classroom environment.

# Source:

https://www.beautiful.ai/

## Walkthroughs

Visit <u>https://www.beautiful.ai/</u> to sign up or log in with your Google account.



**Sign Up / Sign In:** you can continue with Google as a first time user. Click on "Continue with Google" and enter your mail id and password.

Sign in to y	our account
G Continue With Google	0
	OR
mail	
Password	
SIG	N IN
got your password?	

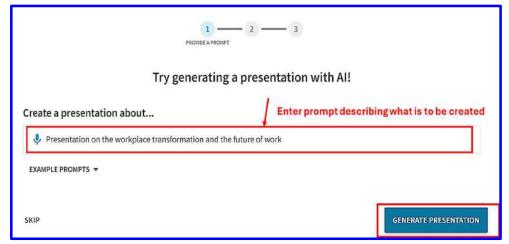
• Click on the "continue" button

Sign in with Google	
(	5
Sign in to	Beautiful.ai
	e@gmail.com
	are your name, email address, ofile picture with Beautiful.ai. Ilicy and Terms of Service.
You can manage Sign in with Google Account.	

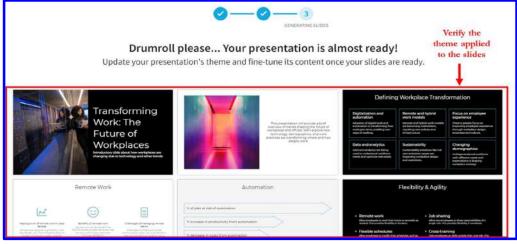
Fill your details in the "A Little about you" section and then click on "Done".

	( <b>ee</b> )	
	A little about you arted, we have just a few quick qu	uestions.
Academic		•
CCE	51-250	-
Teacher/Professor		•
low often do you create presentatio	ns?	
Weekly		-
What best describes the content you	plan on creating?	
Lectures and instruction	al	÷

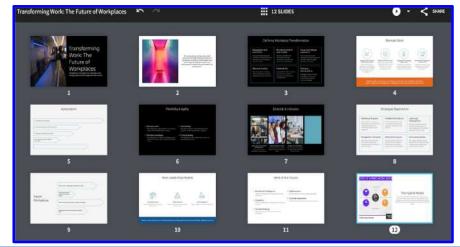
To create a presentation using AI, input your prompt or provide a voiceover (topic for which the presentation is to be generated), and then click on the "Generate Presentation" button.



Verify the theme applied to presentation in the screenshot below:



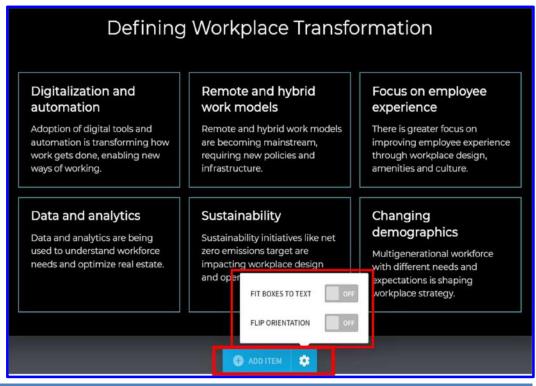
Customize the presentation having 12 slides by editing the layout and text options as needed.



To modify the layout and text options, choose the options that best fit your presentation from the options available in the screenshot below:



Customize the content of slide 3 to fit the boxes to text and change the orientation of text if needed by applying options shown in slide 3 figure below:



To add frames to icons, graphs, charts, text, and infographics in your presentation, first click on the "frames" icon and choose the one you want to apply from the list shown in the screenshot below. Next, click on "Add Item" to add new items to the slide and adjust their orientation to auto, horizontal, or vertical by selecting the orientation option.

	Remote Work						
~				(:  ·	0		
work in pr	th of remote ast decade	Benefits of remote Remote work provides The Revibility access to	bersefits fe	nges of managing smote teams			
SHAPE FRAME		DEVICE FI	RAMES	DECOR	RATIVE FRAMES		
	to	to		to	6		
NO FRAME	RECT	CIRCI	LE RO	UNDED RECT	OCTAGON		
		ADD ITEM		HORIZONTAL			
			Frames Icon				

Click on "Add Media" and select the desired icon from the Icons Page displayed after the screenshot below.

	Remot	e Work	
Apple growth of remote work in past decade Bernete work has grown significantly in the past decade, with more companies adopting negocially after (covid-10 pandemic.	Benefits of remote work Remote work provides benefits talent pool, oos savings on office space, and higher employee satisfaction.	Challenges of managing termination in the series of the series is and difficulty building culture.	Type title Click here to add media or Icons
		and provides many benefic anges to ensure productiv	Add Media

Click on the Add media and select the Icon to be added from the Icons Page:

#### To add an Icon:-

	Q Searc	h for icons									
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#### Adding Media, icons and the corresponding text to the slide:



#### The slide after adding the media, icon and the suitable text:



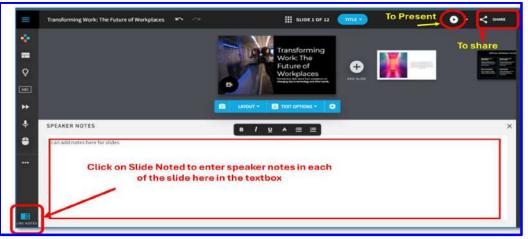
To apply list styles to the text on your slides and automatically arrange the information, click "List Style" and "Auto Arrange" respectively as shown below:

Fle	exibility a	& Agility				
Remote work	L	Styles to the Content				
Allow employees to work from home of needed. This provides flexibility in locat	🗮 Bullet	Allow two employees to share responsibilities of a single role. This provides flexibility in workload.				
<ul> <li>Flexible schedules</li> <li>Allow employees to modify their sched shifting hours earlier or later. This provide</li> </ul>	122 Numbered	Cross-training Train employees on skills outside their core role. This provides flexibility in skills.				
in time.	≡ Text					
	Check					
	🚖 Icon					
	LIST STYLE -	AUTO-ARRANGE -				

You can add, copy, duplicate, or delete new slides by choosing the option from the toolbox located on the sidebar as illustrated below:



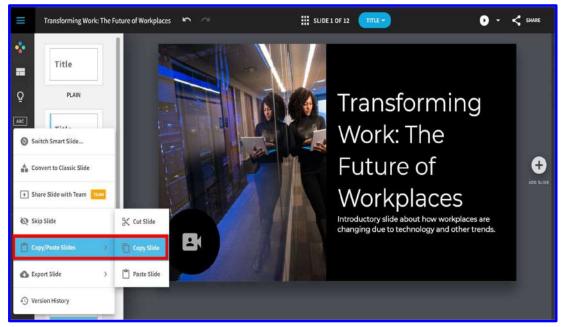
To play the presentation, click on the present icon located at the top right. You can add notes to the slides by clicking on "slide notes" at the bottom of the left panel. Finally, share the presentation with your team by clicking on the "share" icon at the top right corner, as indicated in the screenshot below:



You can share, copy, or export slides by clicking on "...". This will show the available options, as depicted below:

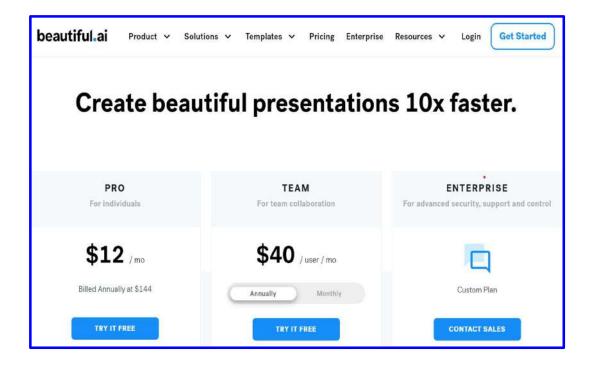


## Copy / Paste the slides:



## **Subscription Details**

Beautiful.ai offers a 14-day free trial, a limited free plan, and paid options ranging from \$12/month to \$96/month.





## 2.1.4 SlidesGo

SlidesGo.ai is a vast online repository of free, pre-designed slide templates for popular presentation tools like Google Slides and PowerPoint. It offers thousands of visually appealing and customizable templates, making it a valuable resource for educators, students, and anyone looking to elevate their presentations.

## Features:

- Expansive Template Library: Browse a massive collection of professionally designed templates covering a wide range of themes, styles, and subjects.
- **Customization:** Easily edit colors, fonts, layouts, and content within the templates to match your specific needs.
- **Download Formats:** Export your finished presentations as PowerPoint (.pptx) or Google Slides files for seamless use.
- Search and Filter: Find the perfect template with intuitive search tools and filters by style, color, subject, etc.

# **Functionality in Education:**

- **Teaching:** Create dynamic lessons, handouts, and interactive materials that engage students visually.
- Learning: Students design presentations to demonstrate their knowledge and improve their presentation skills.
- **Evaluation:** SlidesGo templates can simplify the creation of visually appealing reports and data presentations for sharing educational insights.

## Benefits in Teaching, Learning and Evaluation:

- **Time Saving:** Avoid starting presentations from scratch, freeing up valuable time for lesson development or other tasks.
- **Visual Appeal:** Enhance student engagement and make your content more memorable.
- **Customization:** Ensure presentations align perfectly with your brand, course content, or individual style.
- Free Resource: SlidesGo offers most of its templates completely free, making them accessible to all.

## Limitations:

- **Potential Overuse:** With easy access, there's a risk of seeing commonly used templates, lessening the uniqueness of presentations.
- Limited Interactivity: SlidesGo primarily focuses on visual design. For more advanced, data-driven features, you might need different tools.

## **Additional Notes:**

- Attribution: While most templates are free to use, some require attribution to the designer. Carefully check usage rights.
- **Design Inspiration:** Even if you don't use a template directly, SlidesGo can be a great source for layout and visual design ideas.

## Source:

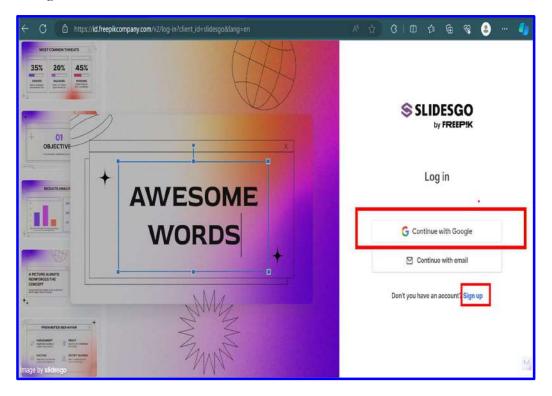
https://slidesgo.com/

## Walkthrough:

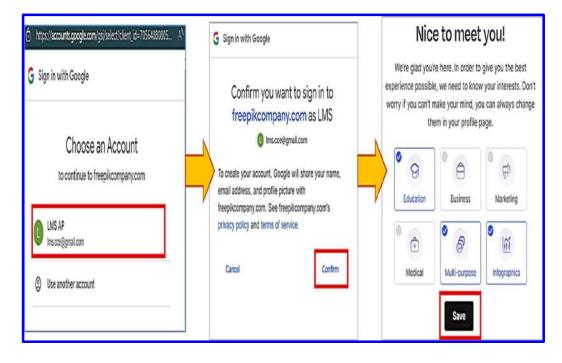
Visit Slidesgo website using the URL: <u>https://slidesgo.com/</u>, go to home page.

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	Create engaging presentations, faster Free templates for Google Slides and PowerPoint										
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Sign Up / Sign In - Click on "Login". Next, click on the "Continue with Google" button as shown below:



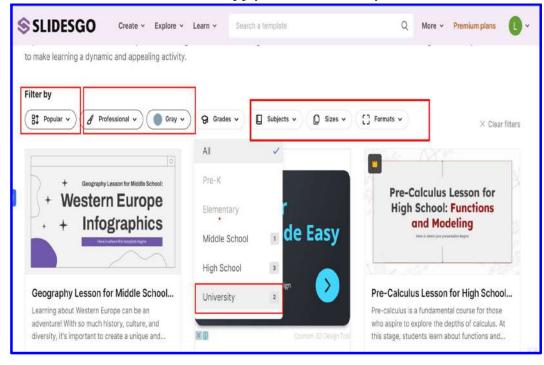
Now, choose the email ID, and then click the "Confirm" button. Finally, Select your areas of interest and click the "Save" button.



To create presentations, click on the "Create" menu option for detailed instructions. When creating a presentation, choose the content type as "Lesson" and select "Education" under "By Industry".

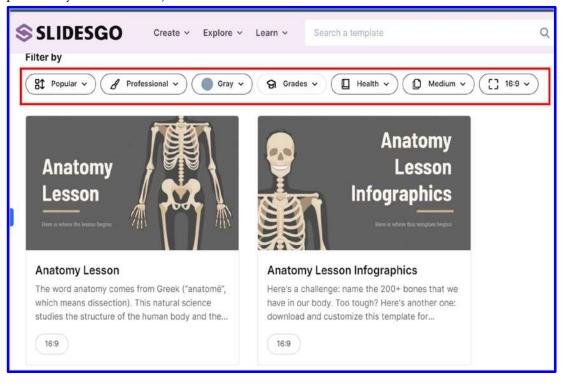
By content type			🚔 By industry	Tools
Marketing Plan	Calendar & Weather	Background	Business	AI presentation maker NEW
Research	Pitch Deck	Infographics	Marketing	Create presentations in minutes with AI
Social Media	Planner	Notebook	Technology	Online editor NEW
44	Portfolio	Lesson	Medical	Create blank document
School	Meeting	Newsletter	Education	
Thesis Defense	Project Proposal	Editable templates NEW		

You will see the templates available for educational lessons. Apply filters to choose the desired presentation template, such as sorting by "Popular", style as "Professional", color as "Gray", for University grades, Health subject, medium size, and format 16:9. Apply filters based on your needs.

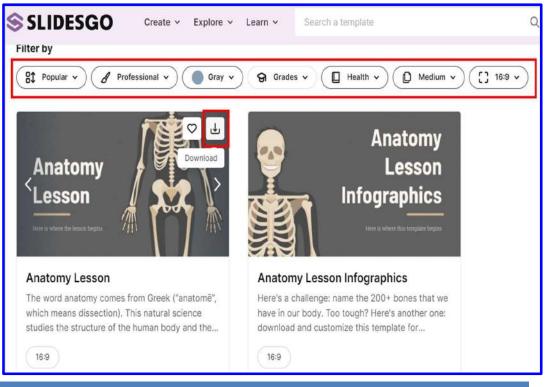




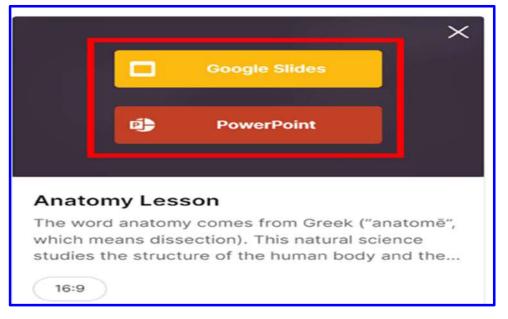
Choose the presentation template that aligns with the applied filters, specifically with the subject selected is "Health".



You can download by clicking on the download icon that appears on the selected Slides Template, such as Google Slides or PowerPoint.



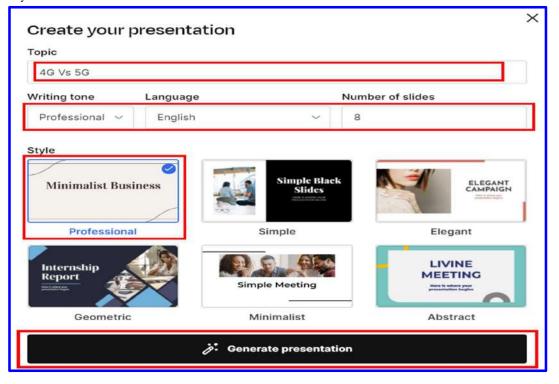
The download screen offers two options. Click on the "PowerPoint" button to edit the contents.



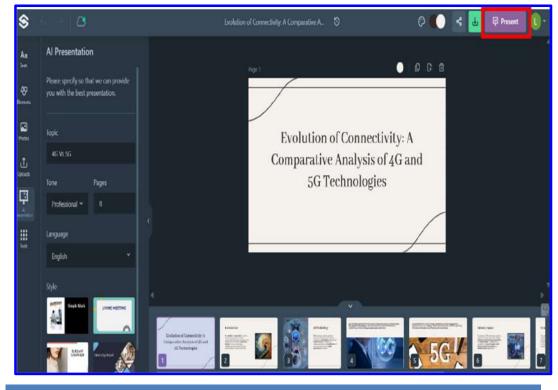
Click on "AI Presentation Maker", to create AI generated Presentations

SLIDESGO	Create      Explore	Learn   Search a template		Q More v Premium plans
By content type			🚔 By industry	Tools
Marketing Plan	Calendar & Weather	Background	Business	Al presentation maker NEW Create presentations in minutes
Research	Pitch Deck	Infographics	Marketing	with AI
Social Media	Planner	Notebook	Technology	Online editor NEW
A4	Portfolio	Lesson	Medical	Create blank document
School	Meeting	Newsletter	Education	
Thesis Defense	Project Proposal	Editable templates NEW		
		Or		
SLIDESGO		Or 	ntations, fa	More -> Premium plans
SLIDESGO	Create ei	Learn V		ster
SLIDESGO	Create ei	n <b>gaging preser</b> Iplates for Google Slide		ster

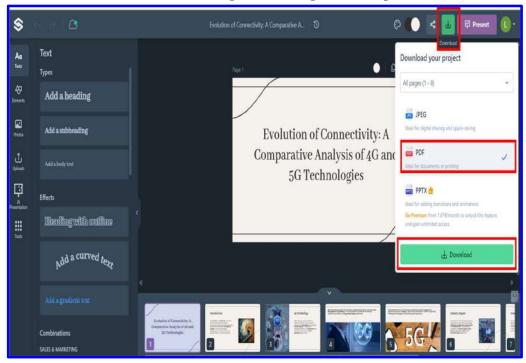
Specify the Presentation Topic, Language, No. of Slides and choose the Style:



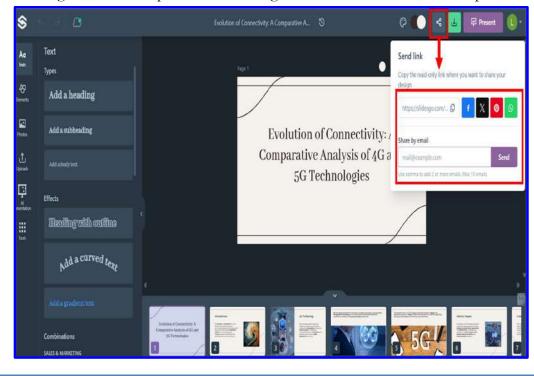
Clicking on "Generate Presentation" creates the presentation, which can then be presented by clicking on the "Present" button at the top right.



To download the created presentations, click on the download icon at the top right corner. You can download the presentation as a JPG or PDF file. For a PPTX format download, a paid subscription is required.



You can share the presentation with others on social networking sites by selecting the desired option and clicking on the "share icon" at the top.



You can customize the generated presentation using tools on the left panel, which include AI tools like Text to Image, AI Write, photos, QR codes, and more.



You can upload media and add it to the presentation by clicking on the "Upload" option on the left panel.



Customize the presentation by adding elements like icons, basic shapes, lines, arrows, and more. Simply select "Elements" on the left panel.



You can customize the text in the presentation according to your needs by clicking on "Text" on the left panel.



The slide presented by the App:



# **Subscription Details:**

SlidesGo offers a free tier with many templates and a premium subscription plan that provides additional templates and features.

Gain access to thousands of unique editad	templates to create alone or with a team.
Save 67 % with	th a yearty plan
🖕 Premium	🗢 Education 🕕
a plan for everyone in any field, from healthears vestors to suitrees people and collidecating teams.	A special price plan for elusionity, schools, teachers, NOCs and other education centers.
₹1,659.99/year	₹995.99/pers
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Supervice	Subscribe
Configuration for engine encoders and the encoders a	Since Security of the two security price.     Security of the security of



## 2.1.5 Canva Presentation

Canva is a cloud-based graphic design platform that simplifies the creation of visually appealing designs, presentations, newsletters, videos, etc for various uses. It is a versatile tool for creating engaging presentations suitable for classrooms, meetings, and beyond. It can be used to create presentations with or without using AI capabilities. Anyone, regardless of design experience, can use its intuitive drag-and-drop interface.

## Features:

- **Presentation Templates**: Canva offers a vast library of professionally designed presentation templates in various styles and themes.
- Animation & Transitions: Add dynamic movement to your slides with built-in animations and smooth transitions.
- **Presenter View:** A dedicated view with speaker notes, a timer, and upcoming slides to keep you on track.
- **Talking Presentations:** Record yourself narrating your slides and easily share a link for asynchronous viewing.
- **Magic Shortcuts:** Add a touch of fun and interactivity with effects like confetti, drumrolls, and more triggered by keyboard shortcuts.

# **Functionality in Education:**

- Interactive Presentations: Students can create presentations that go beyond basic slides, making learning more engaging.
- **Class Presentations:** Teachers can design visually stimulating presentations to accompany lectures or activities.
- Educational Videos: The 'Talking Presentations' feature allows teachers to create recorded lessons or flipped classroom content.

# Benefits in Teaching-Learning & Evaluation:

- Accessibility: Easily integrate video, audio, and interactive elements to cater to different learning styles.
- **Creativity:** Canva encourages students to express their understanding through design choices.
- **Student Presentations as Assessment:** Presentations can provide a unique way for students to demonstrate their knowledge creatively.



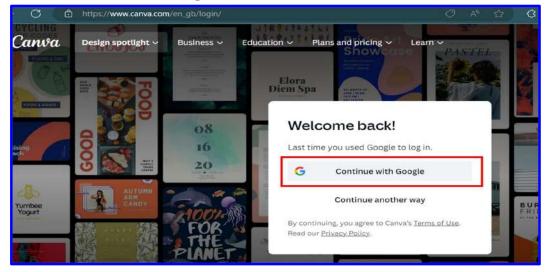
- **Collaboration:** Students can collaborate on group presentations, practicing teamwork and communication.
- **Remote Control:** Present from your phone or allow multiple presenters to control the slideshow for a seamless experience.
- **Canva Live:** Gather audience feedback or run interactive Q&A sessions during your presentation.

#### Source:

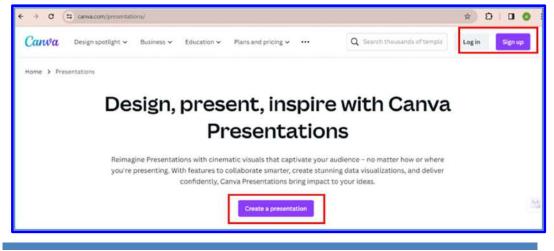
https://www.canva.com/presentations or https://www.canva.com/

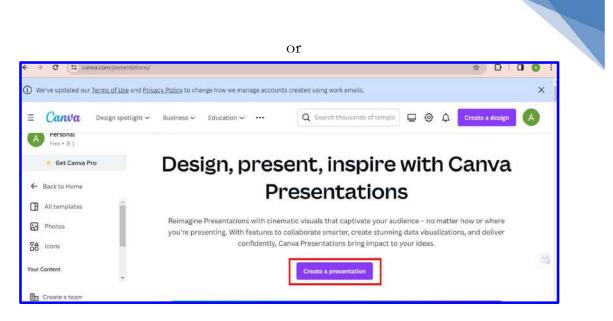
## Walk-through:

• Visit the Canva website and Sign Up or Sign In by clicking on the "Continue with Google" button.

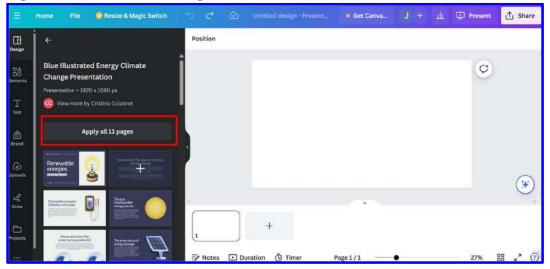


To create presentations, click on the "Create a presentation" button.





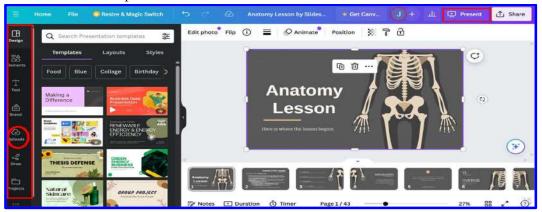
**Choose a Presentation Template**: Find a design that fits your style and topic from the available templates that are free.



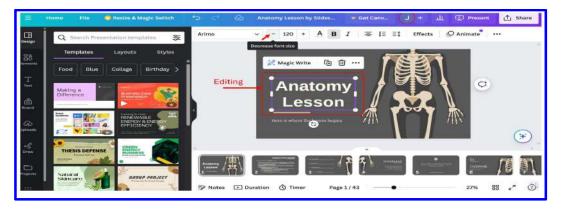
Clicking the "Apply all 11 pages" button adds all slides to the design area. Next, click on "layouts" to apply the layout to the presentation.



Click on "Uploads" to upload a slide that has already been created and is available on your local machine. View the presentation and proceed to customize it as explained below:



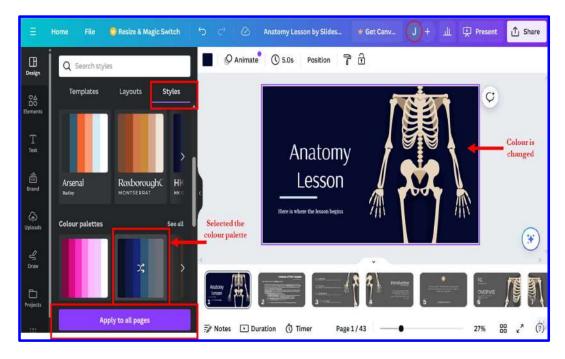
**Edit Your Slides**: Customize text, images, and layouts with drag-and-drop tools available on the left-side panel. Applying Text options:



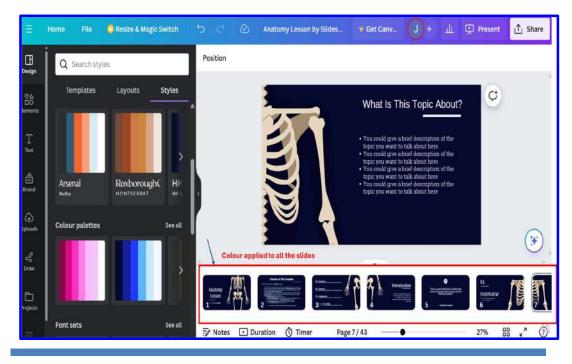
Add Animations and Transitions: (Optional) Select from Canva's options to make your presentation more dynamic.

Transitions	Animate () 4.7s Position	
None Dissolve Slide	Anatom y	
Direction ← → ↑ ↓	Lesson Here is where the lesson begins	(*) 

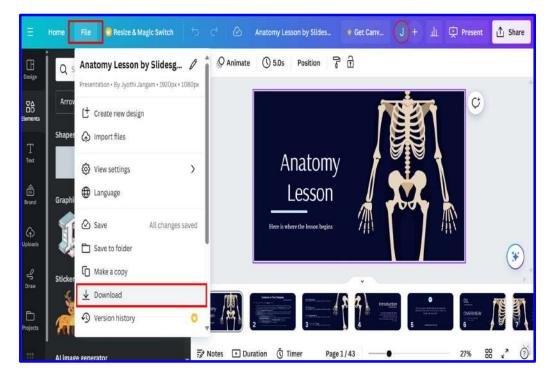
To change the color scheme, click on "Styles," choose a color scheme from the color palettes. Note that only the first slide will be affected initially. To apply the changes to all slides, click on the "Apply to all pages" button as indicated below:



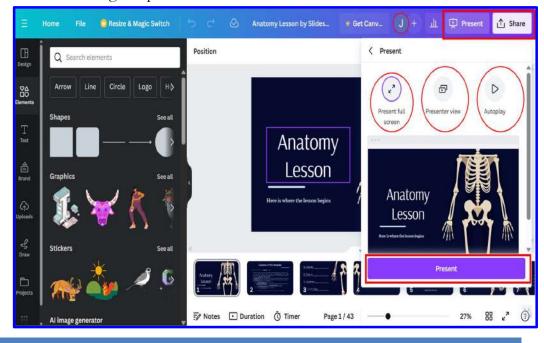
The colors selected in the above screenshot are applied to all the slides in the screenshot below.



Download Presentations: Download presentations as PDF, PPTX, MPEG4, JPG and in PNG format also. To do it, click on the "Download" button.

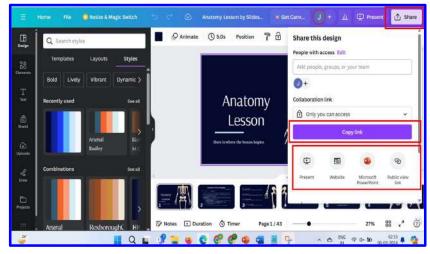


Present and Share: Present live (with features like Canva Live and Remote Control) or share a viewable link. Practice with Presenter View: Get comfortable using the presenter controls.





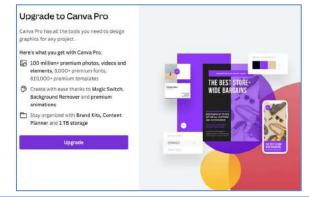
- To present in full screen, presenter view, or autoplay, click on the "Present" button at the top right of the screen. Choose the presentation mode and click the "Present" button again.
- To share the presentation, click on "Share" button at the upper right of the screen and follow the steps given below:



# **Subscription Details:**

Most presentation-related features are available in both the free and paid plans.

- Canva Free: Basic features and a decent selection of templates and resources.
- Canva Pro: Unlocks the full range of tools, templates, and assets, plus features like the Brand Kit and Content Planner.
- Canva for Teams: Ideal for collaborative work, offering advanced sharing and control features.
- Canva for Education Free premium access for teachers and eligible classrooms.





Comparison	of AI	<b>Tools for</b>	creating	Presentations
1				

Feature	Gamma	Tome	Beautiful.ai	SlidesGo	Canva
AI Focus	Auto- generates slides from text input	Creates a narrative with visuals	Smart templates adjust to content	Not directly AI- powered	AI design assistance
Design Control	Limited	Moderate	High	Limited (to template styles)	Highest
Speed	Very fast	Fast	Moderate	Depends on slide format	Moderate
Unique Features	Data- driven visualizatio ns	Story-like slides, Q&A integration	Ease of use	Huge template library	Versatile for various design projects
Best Suited For	Quick, data-heavy presentatio ns	Engaging, visual storytelling	Professionals wanting polished results	0 0	Those desiring full creative control

# **Conclusion:**

As you explore the world of AI-powered presentation tools, remember that each tool offers a unique path to unleash your presentation potential and creativity. AI presentation tools use AI to help you create stunning slideshows. Popular choices include Gamma, Tome, Beautiful.ai, SlidesGo, and Canva – each with unique strengths. For speed, try Gamma; for visual storytelling, Tome; for effortless design, Beautiful.ai; for template inspiration, SlidesGo; and for full creative control, Canva. The best way to pick the right tool is to experiment with free trials to find one that matches your style and presentation needs.

# AI IN TEACHING TEXT-TO-VIDEO GENERATION TOOLS





## 2.2 AI in Teaching - Text-to-Video Generation tools

Gone are the days of laborious video editing and limited options. The world of storytelling has been revolutionized by a new wave of AI tools - **InVideo, FlexClip, Veed, and Fliki**. Imagine weaving compelling videos simply by feeding in your text scripts or ideas. These innovative platforms go beyond mere animation, incorporating AI magic to personalize, animate, and even add voice overs, transforming your words into captivating visual narratives. These tools empower you to create professional-looking videos in minutes, unlocking countless possibilities in the realm of digital communication. So, buckle up and delve into the exciting world of AI-powered text-to-video, where your imagination takes centre stage and the tools do the heavy lifting!

## 2.2.1. Invideo AI:

InVideo is a cloud-based online video creation and editing platform designed for ease of use and accessibility. It creates videos with text prompts. Enter any topic, and invideo AI gets to work. It generates a script, creates scenes, adds voiceovers & tweaks the video at your command. With invideo AI as your co-pilot, engaging your audience is effortlessly simple!

While it caters to a broad audience, including businesses and marketers, its features and functionalities hold considerable potential for the educational field. Let's explore its offerings and how they can benefit the teaching, learning, and evaluation process.

#### **Features:**

- Intuitive interface: InVideo boasts a drag-and-drop interface and pre-built templates, making it user-friendly even for those with limited editing experience.
- Extensive library: It provides access to a vast library of stock footage, images, audio clips, and music, eliminating the need for external sourcing.
- Variety of editing tools: Users can trim, split, and crop videos, add text overlays, transitions, and animations, and apply various effects.
- **Multiple video styles:** InVideo offers different video styles, like whiteboard animation, product demos, and explainers, catering to varied content needs.



- **Collaboration features:** Teams can work on projects together through real-time collaboration features.
- Analytics and reporting: Track video performance by viewing metrics like engagement and shares.

## **Functionality in Education:**

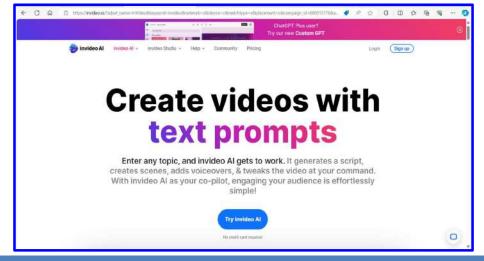
- Creating engaging explainer videos: Teachers can leverage InVideo to create visually appealing and informative explainer videos to introduce complex concepts, demonstrate procedures, or summarize key points.
- **Developing interactive learning materials:** Quizzes, polls, and clickable elements can be embedded within videos, making them interactive and promoting active learning.
- Encouraging student projects and presentations: Students can use InVideo to create polished presentations, project videos, or even explainer videos for their peers.
- Facilitating peer feedback and review: Video assignments can be reviewed and commented on directly within the InVideo platform, promoting peer interaction and feedback.
- **Differentiating instruction:** Cater to diverse learning styles by combining visuals, audio, and text within video-based lessons.

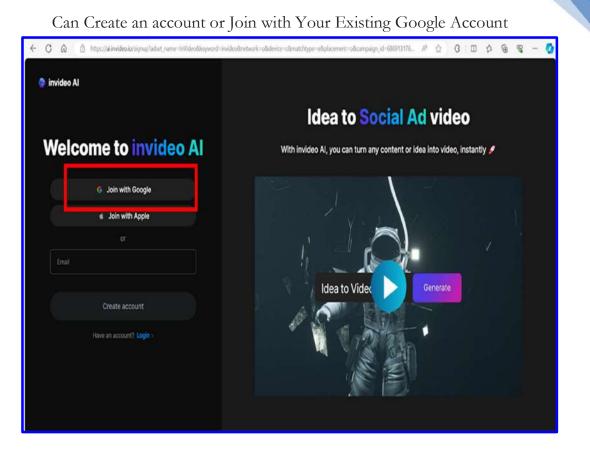
#### Source:

https://ai.invideo.io/

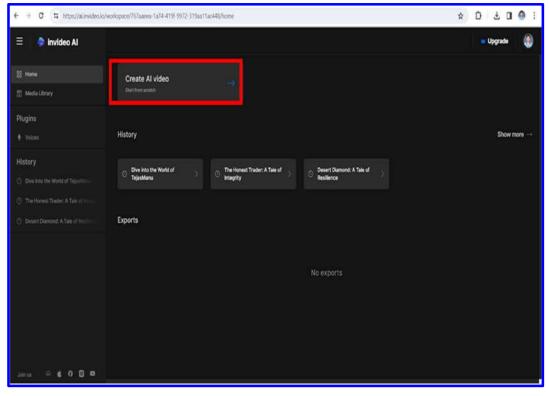
## Walkthrough:

InVideo Application Home Page





# Click on Create AI video



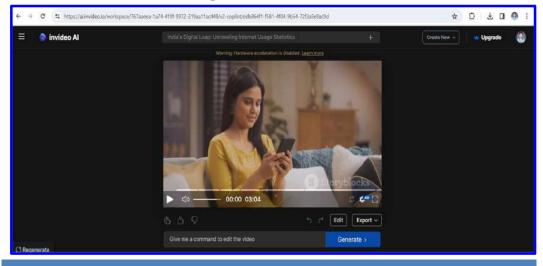
# Enter the Prompt Text and Click on Generate a video

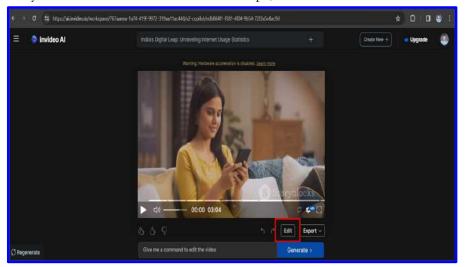
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© History	Cone your voice 3      Workflows: Younube Explainer Script to Video Youtube Shorts Explore all +					
	Invideo. All might produce inaccuracies. Please review and edit as needed.					

# Select the target audience, look and feel and platform

← → C 😫 https://ai.inwideo.io/workspace/767aaeea-1a74	-419F-9972-319aa11ac448/v2-copilot/edb864f1-F581-4f04-9b54-72E3a5e8ac9d	\$ D ₹ D ⊕ ;
\Xi 🛛 🌻 invideo Al		Create New + Upgrade
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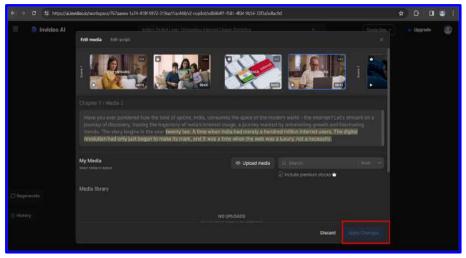
# Preview the AI generated video and Download it



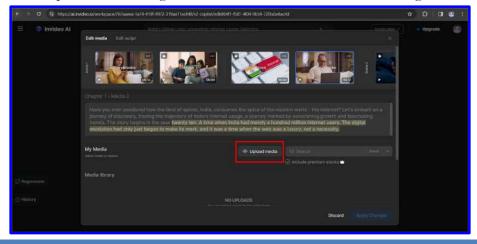


If you want to edit the video or script, then click on Edit button

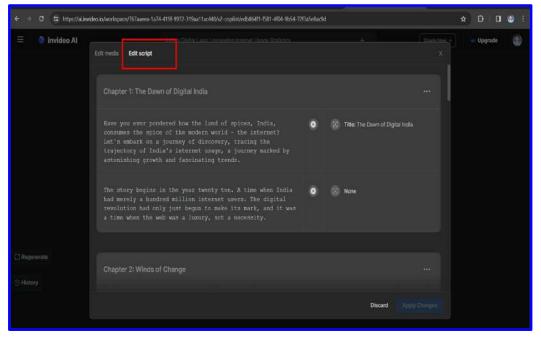
# Click on the Images to modify and Click on Apply Changes



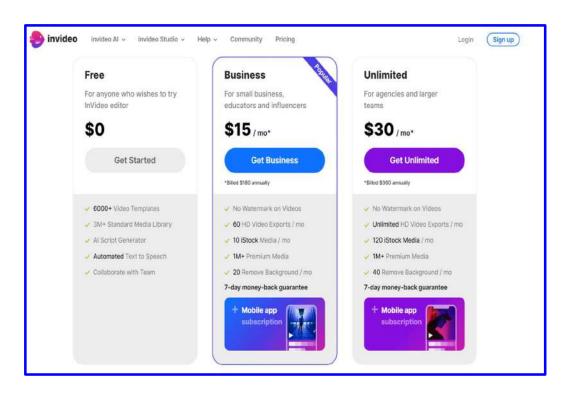
Can Upload own Images or Videos to add in the Generating Video



## Edit the Script by clicking on Edit Script Button



## Subscription Details:



# 2.2.2 FlexClip



FlexClip is a cloud-based video editing tool that allows users to create and edit videos easily. It caters to a wide range of purposes, including brand marketing, social media, family videos, and more. The platform offers both pre-designed templates and the option to start from scratch. No installation is required, as FlexClip operates entirely online.

# Features and Functionality:

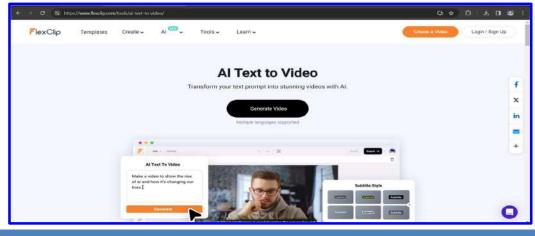
- Video Creation: FlexClip enables users to create videos with text, music, animations, and other effects. You don't need any advanced video editing skills.
- **Templates**: Choose from thousands of templates for various purposes, such as business, marketing, intros, outros, slideshows, etc
- Text Animations: Access over 1,000 text animations and styles.
- Vector Elements: Millions of dynamic vector elements are available for enhancing your videos like shapes, stickers, gifs, etc.
- **Transitions and Overlays**: Use rich transitions and overlays to make your videos visually appealing.
- **Royalty-Free Stock Assets**: FlexClip integrates with stock media providers, offering over 4 million royalty-free stock assets, including music, videos, and photos.

## Source:

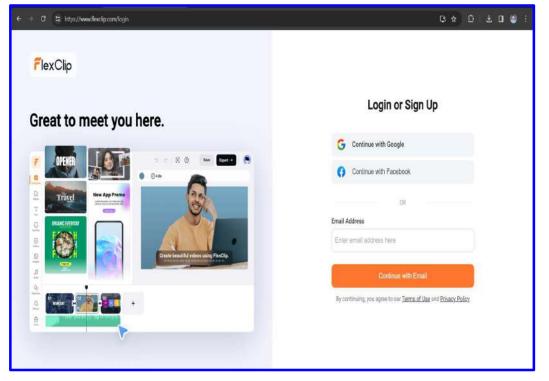
https://www.flexclip.com/tools/ai-text-to-video/

# Walkthrough:

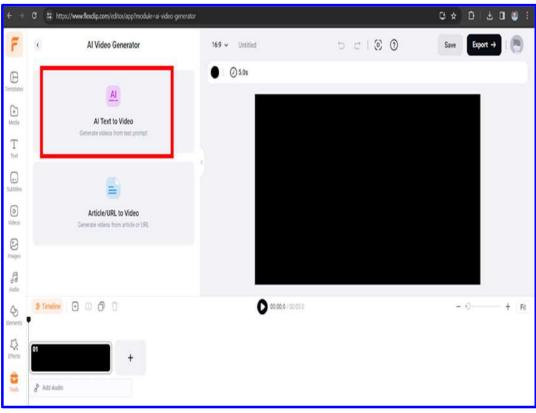
# FlexClip Application Home Page

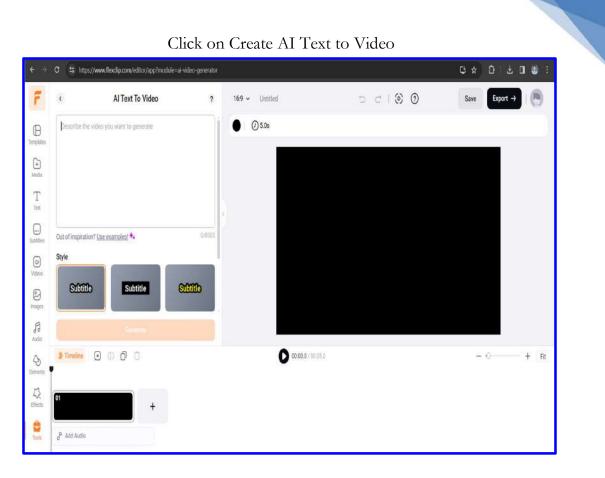


# Create an Account or Login with Existing Google Account

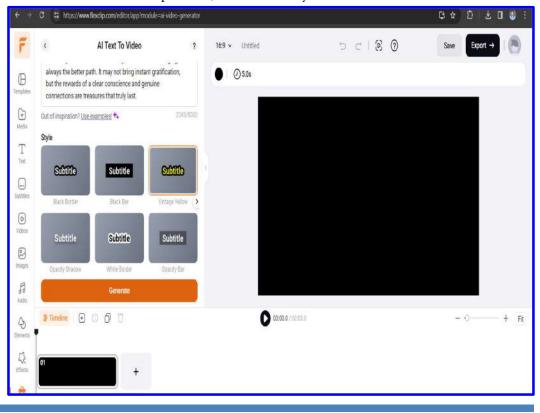


# Dashboard Page





## Enter the Prompt Text, Select the Style and Click on Generate



# Scenes will be generated. Select the required and click on Add to Timeline

	Al Text to Video	+ Add to Timeline
- 14	℅ 10.0s	
- ANTA	Kai, known for his quick wit and playful grin, wasn't always the epitome of honesty.	
	}< 8.0s	
03 HA	One sunny afternoon, while helping his grandfather at their fruit stall, Kai stumbled upon a peculiar sight.	
	% 9.0s	
	The locket's delicate craftsmanship and sentimental inscription ignited a spark of longing within Kai.	
	() 7.0s	
	His grandfather, a man weathered by time and honesty, sensed his grandson's internal struggle.	
AL Part	(2) 6.0s	
۵۰	Kai wrestled with his grandfather's words.	

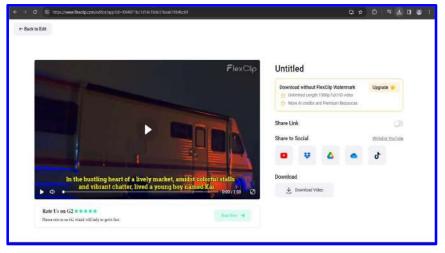
# Scenes will be added to the timeline. Preview the Video

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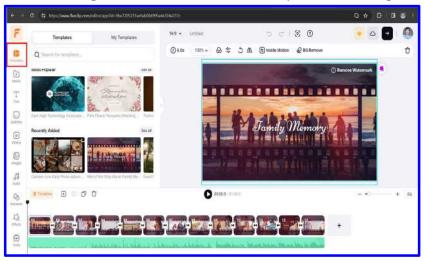
Click on Export Button (White Arrow in Black Box) to Create the Video

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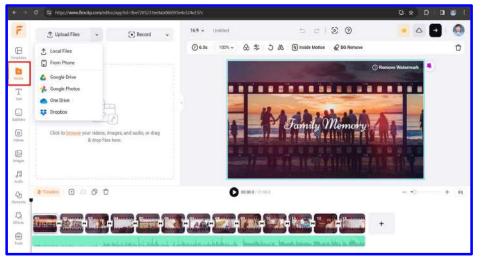
Created video can be downloaded by Clicking on Download video Button



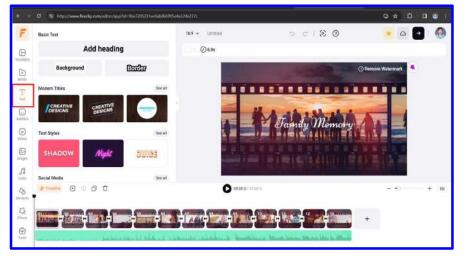
Click on Templates Button to select already available templates



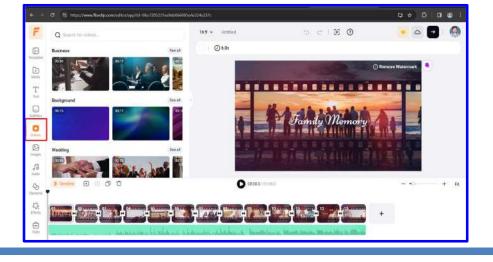
# Click on Media Button to upload own images or videos



Click on Text to add Titles or Text to the Video

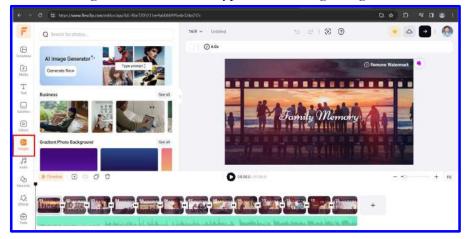


## Click on Video to add various types existing videos

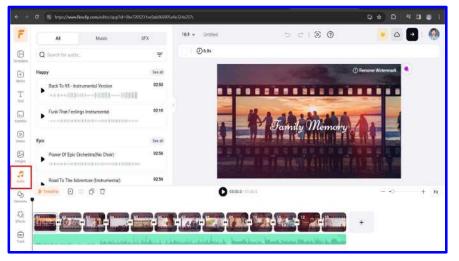




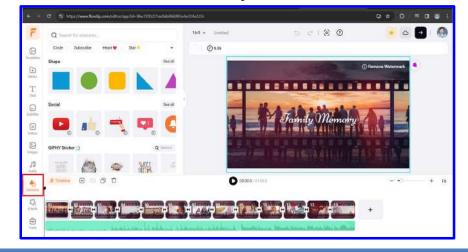
Click on Images to add various types of existing Images to our video



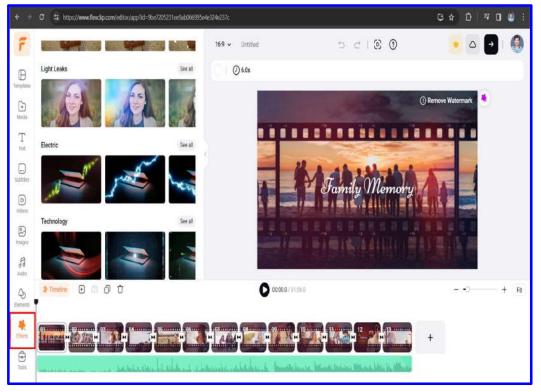
Click on Audio to add various audio tracks to the video



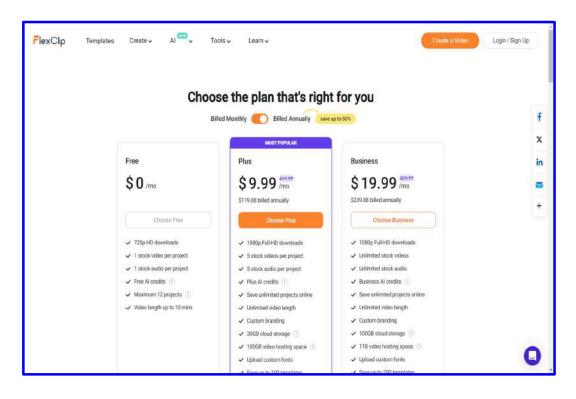
Click on Elements to add various Shapes, Social Media Icons, Stickers, etc



# Click on Effects to apply various effects to the video



## **Subscription Details:**





# 2.2.3 **VEED**

VEED's AI text-to-video feature allows you to create engaging videos directly from text input. Simply provide your script, choose a style, and the AI will generate a video with animation and voiceover. You can further customize the video with additional text, images, and music. It caters to both professional and beginner content creators, offering features like:

## **Features:**

- Video editing: Trim, cut, split, merge, and reorder clips with ease.
- Automatic subtitles and transcription: Generate accurate subtitles in various languages using speech recognition.
- **Text-to-video:** Create videos directly from text using AI, with customizable animation and voice overs.
- **Background removal:** Green screen your videos with ease.
- Audio editing: Add music, adjust volume, and remove noise.
- **Stock library:** Access a vast collection of royalty-free music, sound effects, images, and videos.
- **Templates:** Get started quickly with pre-made video templates for various purposes.
- Live collaboration: Edit videos with your team in real-time.
- **Multiple export options:** Share your videos on social media, download in different formats, or embed them on your website.

## Source:

https://www.veed.io/tools/ai-video/ai-video-generator

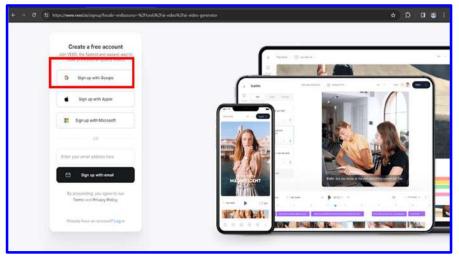
## Walkthrough:

 Image: State Stat

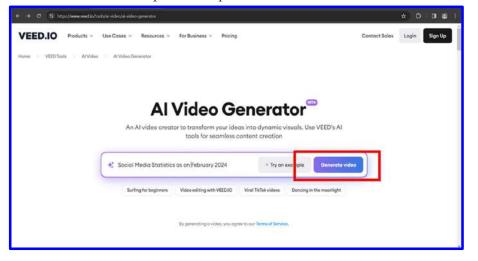
Veed Application Home Page

# Create an Account to Login with Existing Google Account

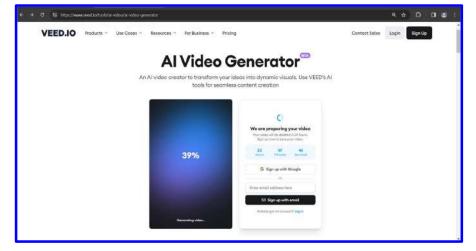
10

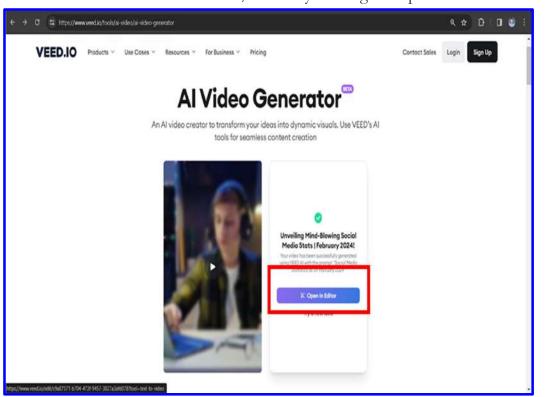


Enter the Concept/ Prompt and click on Generate Video

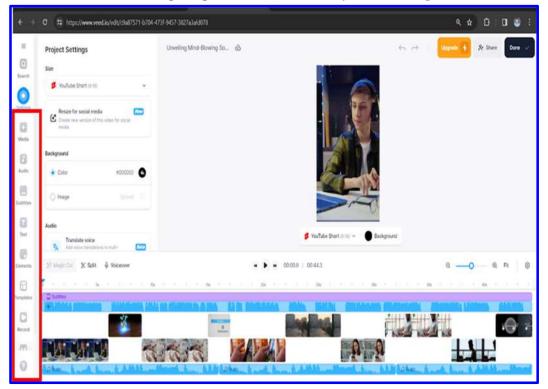


Veed AI will render the concept and generate the video



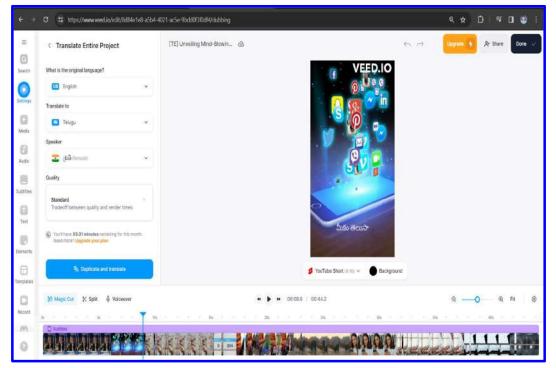


Editor will show multiple options to add/modify audio, images, video, etc



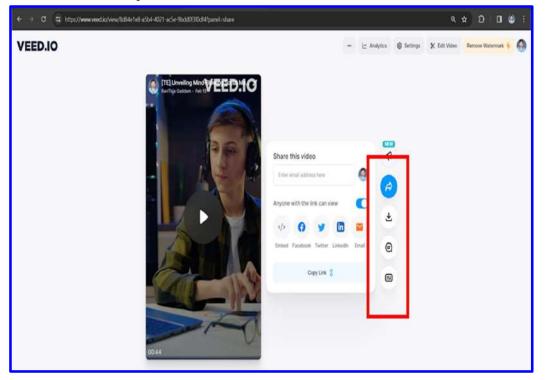
Generated Video can be viewed/edited by clicking on Open in Editor

You can also translate the voice into the desired language by clicking on translate voice



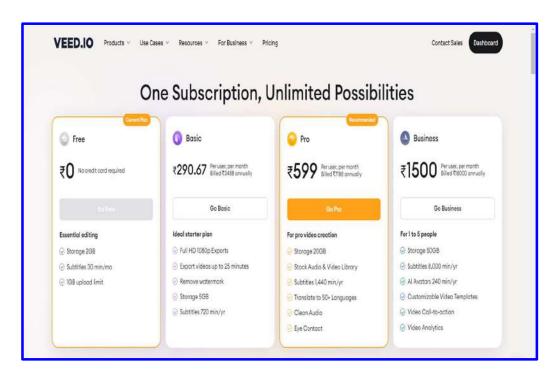
# Click on Done to Export the Video

	C https://www.veed.ic/edit/8d84e1e8-a5b4-4	021-ac5e-9bdd0f310d4/	٩	0	
=	Project Settings	[TE] Unveiling Mind-Bowin	6. a) [100	🚺 Ar Stare Done	~
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Templates	35 Mage Cut X Split & Voiceover	•• <b>b</b> •• 00238 / 00442	Faster Export 36	к 🤇	
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0			a call		



# Completed Video can be Shared or Downloaded

#### **Subscription Details:**



# 2.2.4 Fliki

Fliki is an AI-powered platform that enables anyone to create professionallooking videos directly from text. With its intuitive interface and powerful functionalities, Fliki caters to individuals and businesses looking to streamline video content creation.

#### Features:

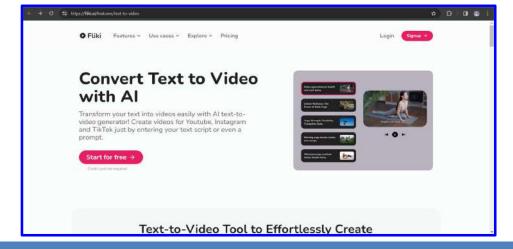
- **Text-to-Video:** Convert your script, blog post, or any textual content into engaging videos with AI-powered animation and voiceover.
- **High-Quality AI Voices:** Choose from over 2,000 voices in 75+ languages with natural-sounding and diverse options.
- Extensive Media Library: Access millions of royalty-free stock images, videos, and music to enrich your videos.
- **Customizable Editing:** Fine-tune your video by adding text overlays, adjusting voiceovers, and trimming segments.
- **AI-Powered Media Search:** Let Fliki suggest visuals based on your script for faster content creation.
- Voice Clone Feature: Create personalized AI voices that sound exactly like yourself or someone else (advanced feature).
- Social Media Optimization: Export videos specifically tailored for different platforms like YouTube, TikTok, and Instagram.

#### Source:

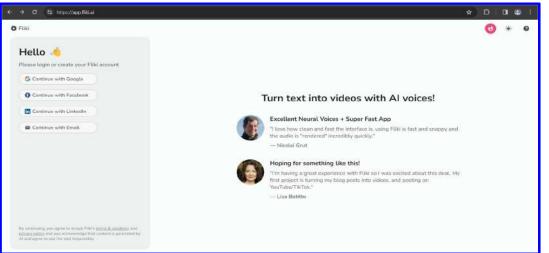
https://fliki.ai/features/text-to-video

# Walkthrough:

Fliki Application Home Page



# Create an Account or Login with Existing Google Account



# Dashboard Page

← → C ti https://app.fliki.a/fles	* 8 0 0 1
Filiki Files Account	🖉 Upgrade 👩 🔅 🛛
Home	🛚 New file 🖿 New Vider 🔍 Search
COVER NAME	MODIFIED
This folder is empty. Create a new file or folder.	

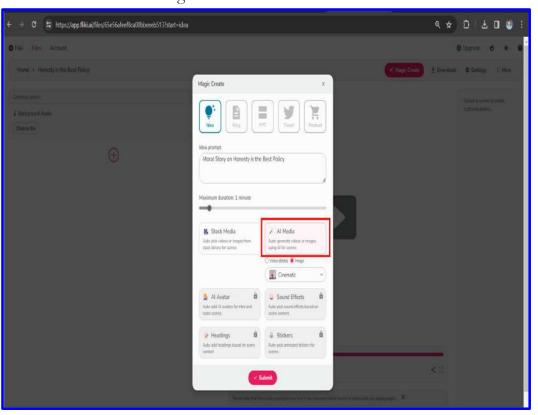
Click on New File, Select the Language, Give the File Name and Click on Submit

← → C 😂 https://app:fliki.ai/files		☆ Ď i D 🔕 i
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COVER NAME	File type 🔹 Video 📀 Audio only	MODIFIED
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	Aspert ratio Start with Portrait (9:16) - Idea -	

# Enter the Prompt and click on Submit

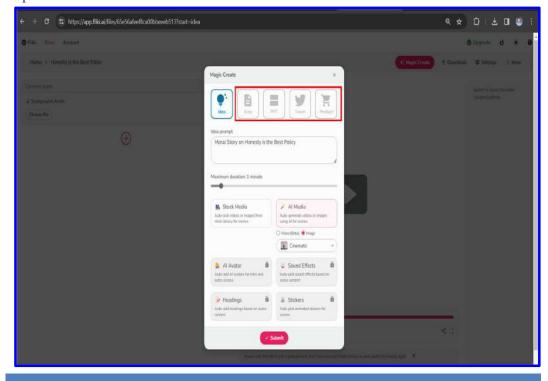
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	PPT Tweet Product	
Motivating Video on Honesty	is the Best Policy	
Maximum duration: 1 minute		
_		
		- 111
Stock Media Auto-pick videos or images from stock library for scenes	Al Media Auto-generate videos or images using Al for scenes	
Auto-pick videos or images from	Auto-generate videos or images	
Auto-pick videos or images from stock library for scenes	Auto-generate videos or images	
Auto-pick videos or images from stock library for scenes Video O Image Al Avatar Auto-add Al avatars for intro and	Auto-generate videos or images using Al for scenes Sound Effects Auto-pick sound effects based on	

Magic Create	×	0
tdea	PPT Tweet Product	+ Magic Create & Download
idea prompt		
Moral Story on Honesty is t	he Best Policy	
	h	
Maximum duration: 1 minute		
Stock Media Auto-pick videos or images from	AI Media Auto-generate videos or images	
stock library for scenes	using AI for scenes	
🖲 Video 🔘 Image		
Al Avatar Auto-add Al avatars for intro and outro scenes	Sound Effects     Auto-pick sound effects based on     soene content	
	# Stickers	
Auto-add headings based on scene content	Auto-pick animated stückers for scenes	
Creating, please wait		00 / 00:00
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		A frames or select autio, by playing again, — X

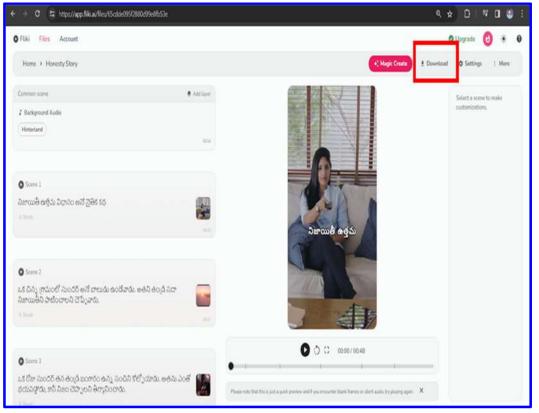


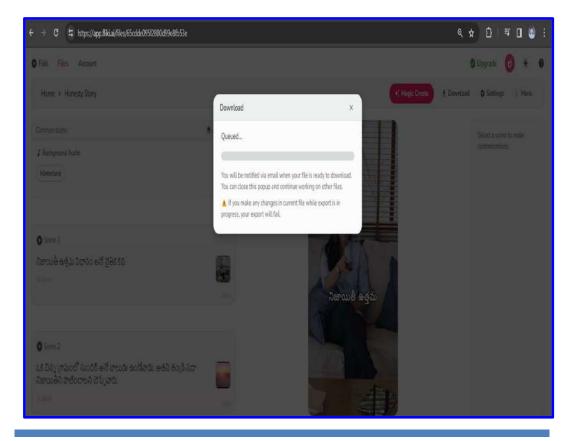
To add AI generated Media Click on AI Media

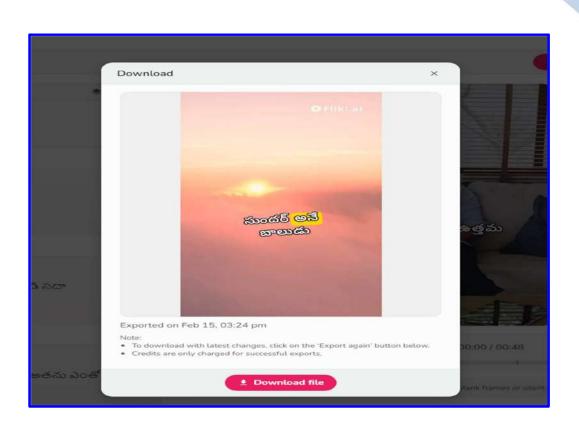
To add the content from a Blog / PPT / Tweet / Product click on the option



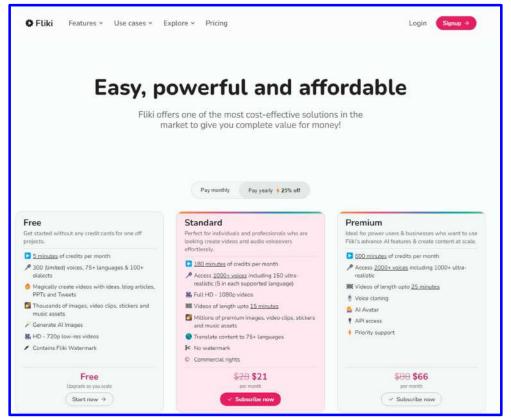
# Created Scenes can be edited. Preview the video and Click on Download







# Subscription Details:



# Comparison of the features and aspects of InVideo, Flexclip, VEED, and Fliki:

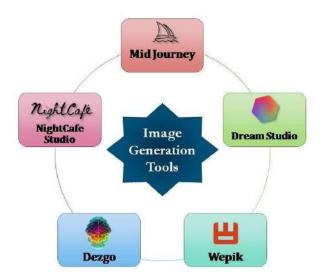
Feature	InVideo	Flexclip	VEED	Fliki
Primary Focus			Video editing, AI tools	Text-to- video
AI Text- to-Video Features	Extensive templates, character animation, multi- scene support	Basic text-to- video with animation, limited customizatio n	Text-to- video with diverse voice overs, scene transitions	Advanced text-to- video with voice cloning, bulk video creation
Additiona 1 Editing Tools	Titles, transitions, effects, music library	Titles, transitions, effects, stock assets	Titles, transitions, effects, audio editing	Limited editing tools
Stock Media Library	Media video,		Smaller library with free and paid options	Large library with royalty- free images and videos

Voiceover options	in multiple		Diverse AI voices in multiple languages	Over 2,000 AI voices in 75+ languages
Free Plan	Limited features, 5- minute video creation	Limited features, 3- minute video creation	Basic editing and AI tools, 10-minute video creation	5-minute video and audio creation
Paid Plans (Starting Price)	\$15/mont h	\$10/month	\$12/mont h	\$12/mont h

#### **Conclusion:**

As you explore the world of AI-powered text-to-video creation, remember that each tool offers a unique path to unleash your storytelling potential. InVideo shines with its ease of use and vast template library, ideal for quick social media content. FlexClip prioritizes user-friendliness and accessibility, making it a great choice for beginners. Veed excels in precision editing and customization, perfect for crafting meticulously detailed videos. Fliki takes animation to another level, enabling you to breathe life into dialogue-driven scenarios. Ultimately, the "best" tool hinges on your specific needs and vision. Experiment, discover what resonates with your creative style, and embrace the power of AI to transform your textual narratives into captivating video experiences. Remember, these tools are not replacements for your creativity, but rather potent allies on your storytelling journey.

# AI IN TEACHING TEXT-TO-IMAGE GENERATION TOOLS



#### 2.3. AI in Teaching - Text-to-Image Generation tools

Long gone are the days where creativity was solely bound by physical tools. Enter the exciting realm of AI text-to-image applications, where mere descriptions transform into stunning visuals. Platforms like Mid journey, Dream Studio, Night Cafe Studio, Dezgo, and Wepik empower everyone, from seasoned artists to curious minds, to conjure unique visual expressions. Whether you desire a photorealistic landscape, a fantastical creature, or an abstract masterpiece, these tools translate your words into a vibrant tapestry of colours and forms. So, prepare to explore a world where imagination knows no bounds, and dive into the fascinating possibilities of AI-powered image generation!

#### 2.3.1 Mid journey

Mid journey is an AI-powered tool that generates stunning images from simple text descriptions and ideas. It's like having an imaginative artist at your fingertips, helping you visualize ideas or create unique artwork for a range of purposes.

#### **Features:**

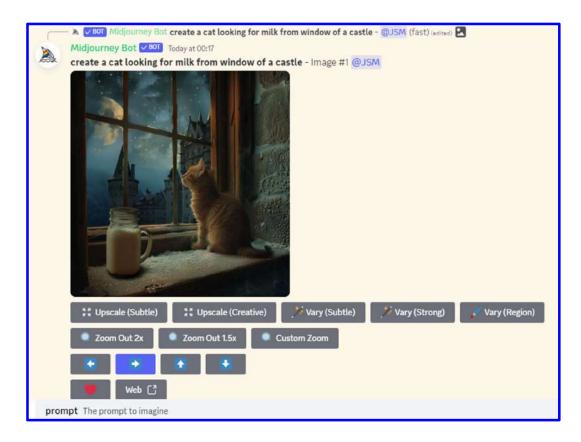
- **Text-to-Image Generation:** The core function describe what you want to see, and Mid journey creates several image options based on your description given as a prompt.
- A prompt is a concise textual input that the Mid journey Bot uses to generate images. Basically, a prompt is used to tell what type of image you want.
- The Mid journey bot breaks down the words and phrases in the given prompt into smaller parts called tokens. These tokens are examined using its training data to make a visually appealing image. Creating a well-thought-out prompt is crucial for producing unique and captivating images.

#### Example prompt:

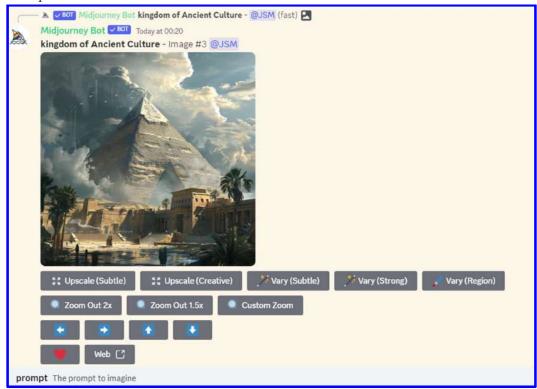


**Variations and Upscaling:** Generate variations of your favourite images or upscale them for higher resolution.

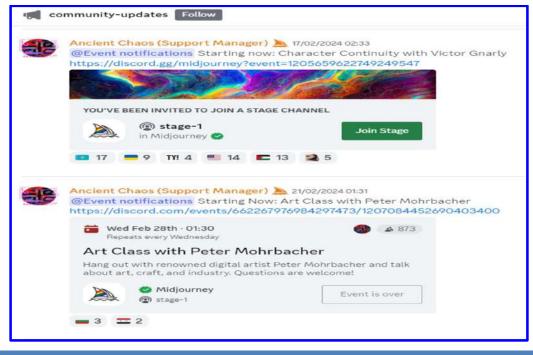




**Customization:** Use additional prompts to refine details, change styles, or add specific elements.



**Community Gallery:** Browse Midjourney creations by others for inspiration and see the potential of the tool. The beginners can access the Channels such as "General - #" and "newbies#".





# **Functionality in Education:**

- **Teaching:** Illustrate stories, concepts, or historical periods in a visually engaging way.
- Learning: Students can create visual representations of their understanding or experiment with different artistic styles.
- **Evaluation:** Generate unique prompts for creative projects or as inspiration for discussion.

#### **Benefits:**

- Encourages Creativity: Opens up new possibilities for visual expression and storytelling.
- Accessibility: Generate complex imagery without needing specialized artistic skills.
- **Sparks Imagination:** The surprise element of AI-generated art can fuel further exploration and ideas.

#### Limitations:

- **Requires Practice:** Mastering effective prompts for your desired results may take experimentation.
- **Stylized Output:** Midjourney's default style is painterly, which may not suit all needs.

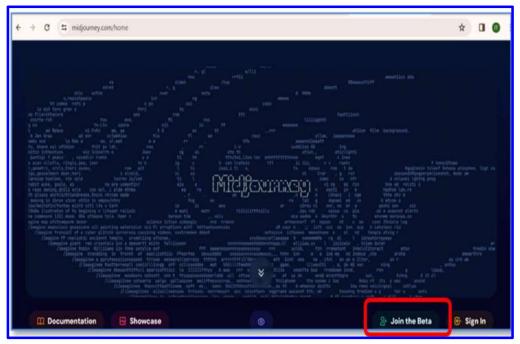
#### Source:

Midjourney works through its dedicated Discord server. Visit <u>https://midjourney.com/</u> and click "Join the Beta."

# Walkthrough:

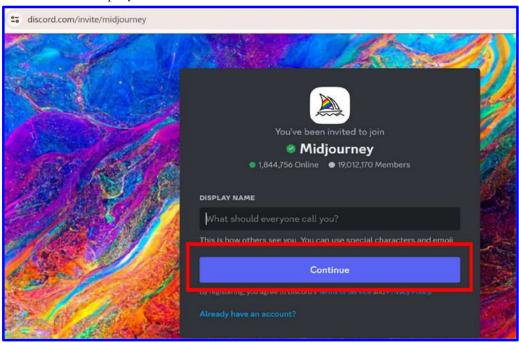
# • Step 1: Create a Discord Account

First create a Discord account. Because, Midjourney is entirely hosted on Discord. If you don't have a Discord account, signing up for Discord is free. • Step 2: Visit <u>https://midjourney.com/</u> and click on Join the Beta as a first time user

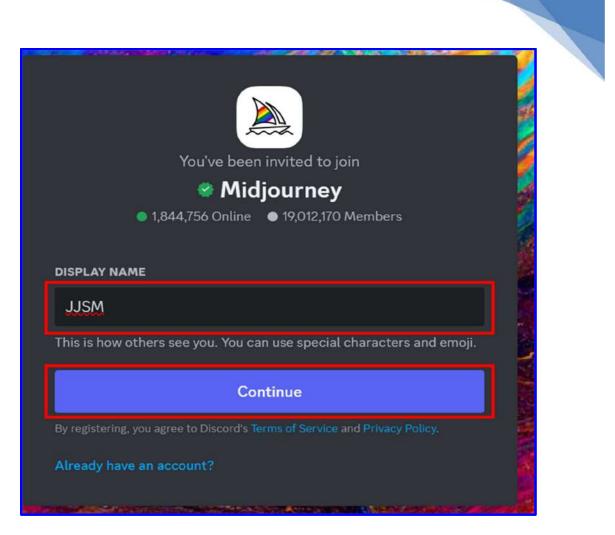


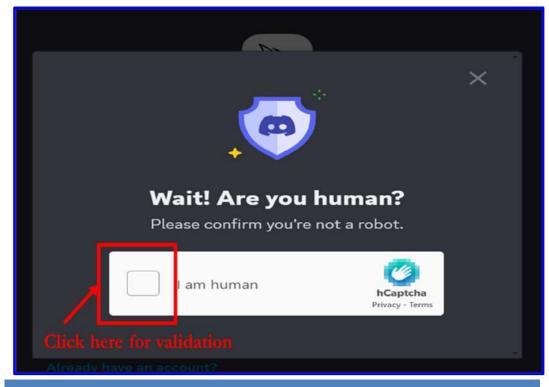
This will automatically direct you to a Discord invite

Accept the Discord Invitation: Follow the invite link and provide the details as shown in the subsequent screenshots:

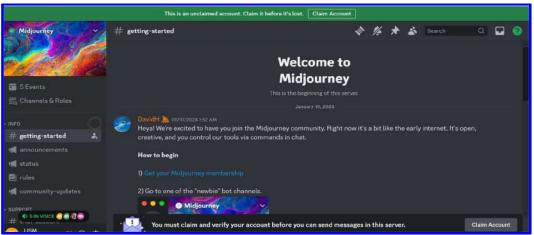


• Give Display name and click "Continue"





Now, it opens the midjourey by connecting to discord server as shown in the screenshot:

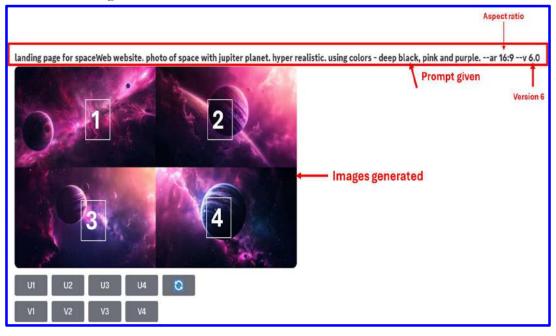


In the Midjourney channels, you will come across the Newcomer rooms. These rooms usually have names like "newbies-##" or "getting-started-##" as displayed in the screenshot. Select any of these rooms to begin creating and editing images.



Begin Creating AI Art: After identifying the channel click on it, then
it allows you to give prompts to create new images or edit old images.
Before starting, note that your free trial offers a limited number of
prompt options, enabling you to make around 25 images for free.
Once this limit is reached, you will need to buy a full membership to
proceed. To maximize your free trial, think about what you want to
create on Midjourney. You can also type "/help" for useful tips.

• **Create a Prompt:** In the text box, start entering "/imagine" followed by your prompt (e.g., "/imagine a fluffy orange cat napping in a sunbeam"). As part of image generation, Midjourney will provide four image variations.



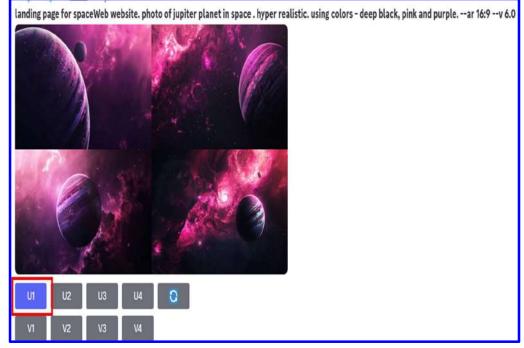
- Aspect Ratio: This parameter (-aspect or -ar) allows you to adjust the dimensions of the generated image. The default aspect ratio is 1:1 (square). You can use this parameter to create images in various aspect ratios, such as 16:9 for desktop wallpaper, 3:4 for Instagram posts, 2:3 for Instagram stories, and 4:3 for blog post headers. Example: /imagine generate a photo of kingdom of ancient culture with an aspect ratio of 2:3 -ar 2:3
- Upscale and Variations: Once the initial image grid has completed its generation process, you'll notice the emergence of two rows of buttons with U and V.



#### • Upscale of Images:



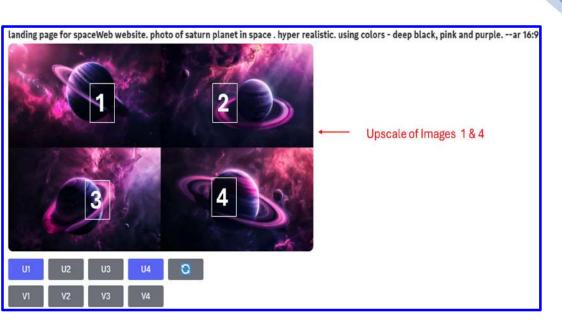
Clicking the "U" button (U1, U2, U3 and U4 for images 1, 2, 3 and 4) allows you to upscale (enlarge) the selected image, resulting in a larger version enriched with additional details.



In the above screenshot, we can see the first image being enlarged because of selecting the U1.



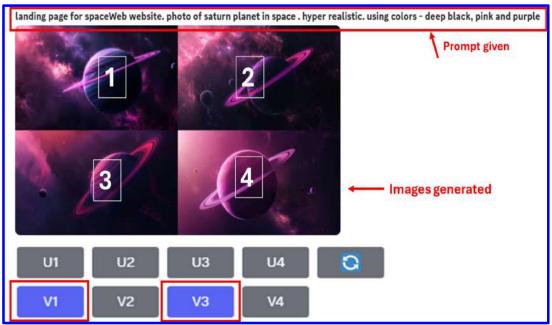
# • Upscale of Image-1:



• Variation in the Image:



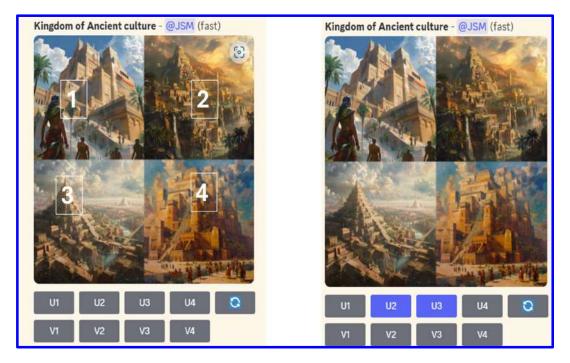
When you Click the "V" button (V1,V2, V3 and V4 for images 1, 2, 3 and 4), new versions of the selected image will be generated within the grid. This process creates a new set of images with a similar style and composition to the original image.



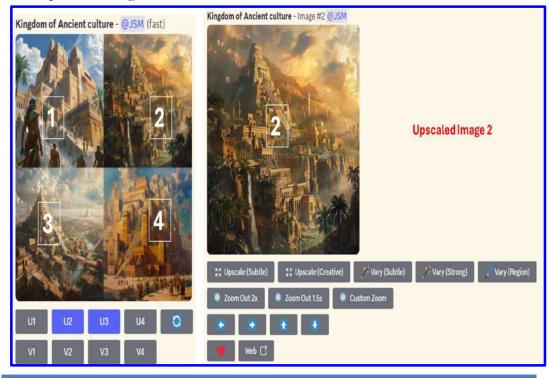
In the above screenshot, you can observe that both Image 1 and Image 3 are the variations of the original image as V1 and V3 are opted to observe the variation.



An image is generated with the prompt: /imagine Kingdom of ancient culture as follows. Now, upscaling of images 2 and 3 is applied on the right side image of the screenshot.



The upscaled images 2 and 3 are shown below:



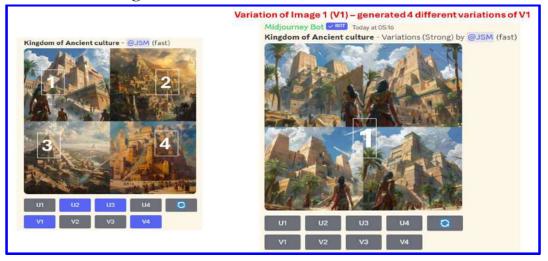
AI TOOLS IN TEACHING, LEARNING & RESEARCH

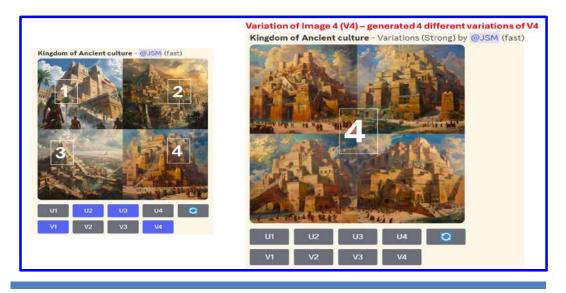
The upscaled image 3 of "kingdom of ancient culture":



Note: One thing to observe is that upscaling only enlarges the image without altering it otherwise.

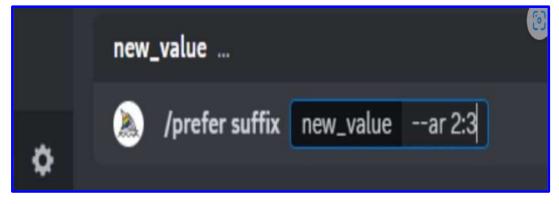
# Variations of Kingdom of ancient culture:





AI TOOLS IN TEACHING, LEARNING & RESEARCH

You can adjust your default prompt settings using the /prefer suffix feature. This feature lets you automatically add certain parameters to every prompt you create. Ex: specify the aspect ratio (-ar) parameter followed by the desired ratio, such as -ar 3:4 or -ar 9:16.



#### Subscription Details:

Midjourney was previously free. But, now Midjourney offers free image generation credits to get started, followed by tiered subscriptions based on usage and features. Pay monthly or for the entire year for a 20% discount. Each subscription plan includes access to the Midjourney member gallery, the official Discord, general commercial usage terms, and more.

	Basic Plan	Standard Plan	Pro Plan	Mega Plan
Monthly Subscription Cost	\$10	\$30	\$60	\$120
Annual Subscription Cost	\$96 (\$8 / month)	\$288 (\$24 / month)	\$576 (\$48 / month)	\$1152 (\$96 / month)
Fast GPU Time	3.3 hr/month	15 hr/month	30 hr/month	60 hr/month
Relax GPU Time		Unlimited	Unlimited	Unlimited
Purchase Extra GPU Tim <del>e</del>	\$4/hr	\$4/hr	\$4/hr	\$4/hr
Work Solo In Your Direct Messages	1	v	v	v
Stealth Mode			J	1
Maximum Concurrent Jobs	3 Jobs 10 Jobs waiting in queue	3 Jobs 10 Jobs waiting in queue	12 Fast Jobs 3 Relaxed Jobs 10 Jobs in queue	12 Fast Jobs 3 Relaxed Jobs 10 Jobs in queu
Rate Images to Earn Free GPU Time	1	×	V	~
<u>Usage Rights</u>	General Commercial Terms*	General Commercial Terms*	General Commercial Terms*	General Commercial Terms*



# 2.3.2 Dream Studio

DreamStudio.ai is a web application powered by Stable Diffusion, an advanced AI model that lets you **create images based on text descriptions**. It offers a user-friendly interface and powerful tools for exploring the potential of AI-generated art.

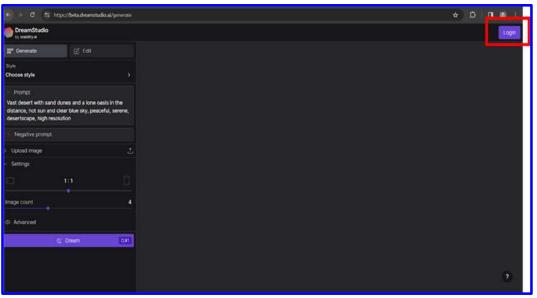
#### Features and Functionality:

- **Text-to-Image Generation:** Enter a detailed prompt describing your desired image, and Dream Studio will generate it within seconds.
- Style Control: Specify the artistic style you prefer, like "realistic," "oil painting," or "anime."
- **Multiple Iterations:** Refine your image by providing additional prompts or editing the initial description, generating variations until you're satisfied.
- **Community-Driven:** Explore and learn from prompts and creations shared by other users, providing inspiration and diverse styles.
- Advanced Settings: For experienced users, access fine-tuning options like image size, aspect ratio, and steps, for even deeper control.

#### Source:

https://beta.dreamstudio.ai/generate

#### Walkthrough:



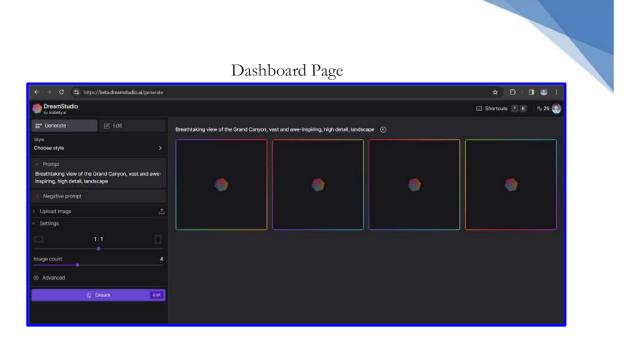
DreamStudio Application Home Page

Click on Login

Fo2SBkOHR3aXI4c0akvnzDQxbyvDMxRi9HzZOOG11DnavQoFur3vuaAzicnivn	pC1sb2dpbqN0aWTZIE1Pd1
stability.ai	
Welcome	
Log in to StabilityAl to continue to DreamStudio.	
G Continue with Google	
Continue with Discord	
Email address	
Password	
Forgot password?	
Continue	
Don't have an account? Sign up	

Create an Account by Clicking on Sign Up or Login with existing Google Account and Authorize the App

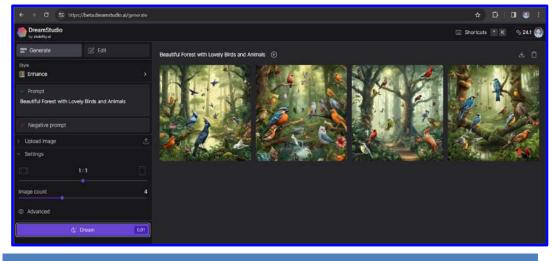
stability_ai	
Authorize App	
Hi RaviTeja Gaddam, DreamStudio is requesting access to your StabilityAl account.	
Profile: access to your profile and email     Allow offline access	
Decline	

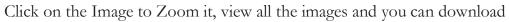


Enter the Prompt Text, Choose the Style, Make your settings and Click on Dream

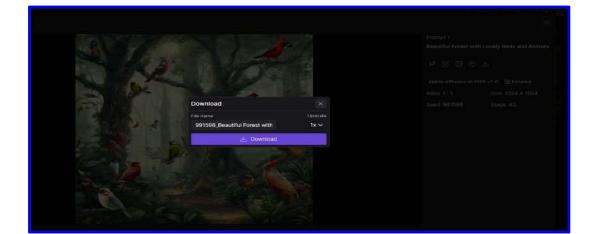
🔄 🔿 🐨 🛱 https://be	ta.dreamstudio.al/generate			* 8 0 @ ł
DreamStudio				🖾 Shortcuts 🖹 🔣 🐁 25 🛞
tte Generate	2 <sup>°</sup> Edit	Beautiful Forest with Lovely Birds and A	nimals ()	
Style Enhance				
<ul> <li>Prompt</li> <li>Beautiful Forest with Lovely Bit</li> </ul>	nds and Animats			
> Negative prompt.				
> Upload image				
(II) <u>in</u>				
Image count				
@ Dres	m 0,91			



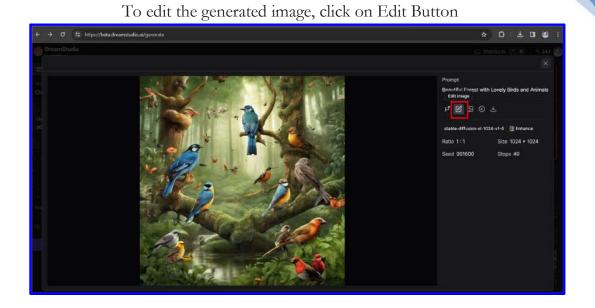




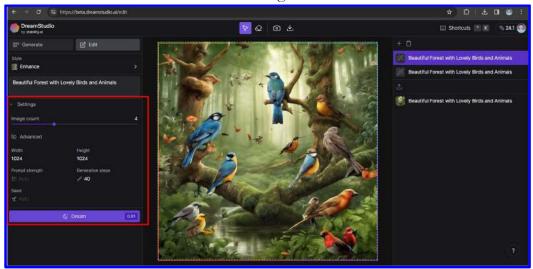








Can change the Height and Width of the Image by selecting in Advanced Settings



# **Subscription Details:**

DreamStudio offers a **freemium model** with limited credits for casual users and paid subscriptions for higher usage and advanced features:

- Free Plan: 50 credits per month for basic image generation.
- **Basic Plan:** \$10/month, 200 credits + advanced settings.
- **Pro Plan:** \$30/month, 700 credits + additional features like batch generation and priority processing.
- Enterprise: Custom plans for high-volum

# 2.3.3 Night Cafe Studio

Night Cafe Studio is an online platform and mobile app that allows users to create unique artwork using artificial intelligence (AI). Its core feature is the **text-to-image generator**, which transforms your written descriptions into stunning visuals.

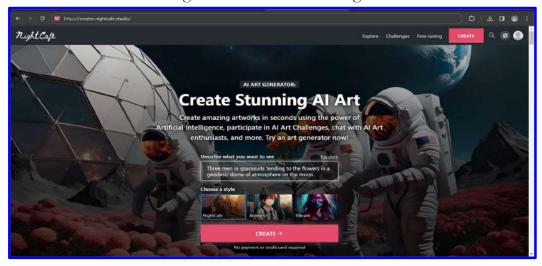
#### Features:

- **Multiple AI models:** Choose from various algorithms like Stable Diffusion, CLIP-Guided Diffusion, and VQGAN+CLIP, each offering different artistic styles and effects.
- Advanced controls: Experiment with parameters like style, seed, and iterations to refine your creations and achieve the desired visual outcome.
- Additional creation methods: Go beyond text prompts with features like Neural Style Transfer, which turns your photos into artistic masterpieces, and AI Video Generator (currently in development).
- **Community:** Explore artwork created by others, engage in discussions, and participate in art challenges.

#### Source:

https://creator.nightcafe.studio/

#### Walkthrough:

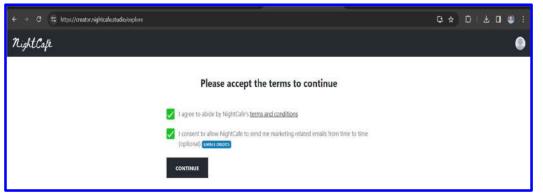


NightCafe Studio Home Page

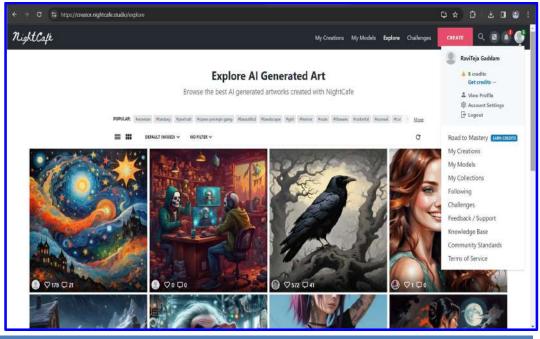
# Click on the Profile Icon to Login or Signup

← → C 5; http://creator.nightcale.studio/login	6 * D & 0 \$
NightCafé	Explore Challenges Fine-tuning CREATE 🤉 🕲 🔘
Log in or sign up	
Connect using Google, Facebook or your em	ail address.
OR	
CONNECT WITH FACEBOOK	
Presiming/ioggref in with eagle link? Click.htm	
lermistierster-Enterstadiss	

# Accept the Terms & Conditions

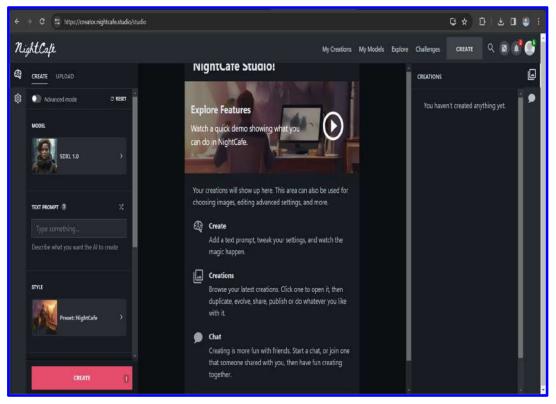


# Logged in Dashboard

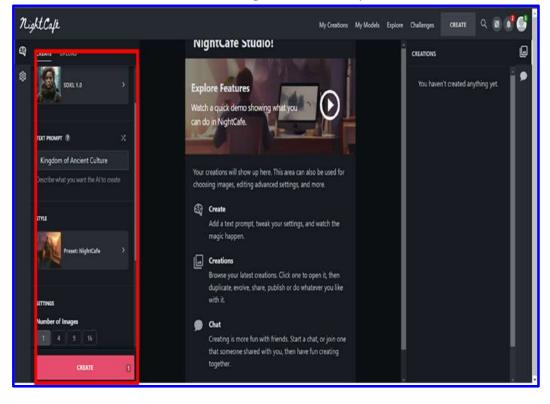


AI TOOLS IN TEACHING, LEARNING & RESEARCH

#### Click on Create

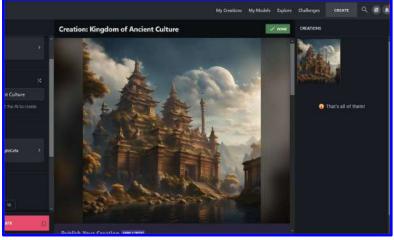


#### Select the Model, Enter the Prompt, Select the Style and Click on Create

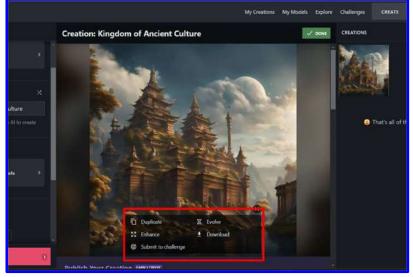




### AI will create the Image



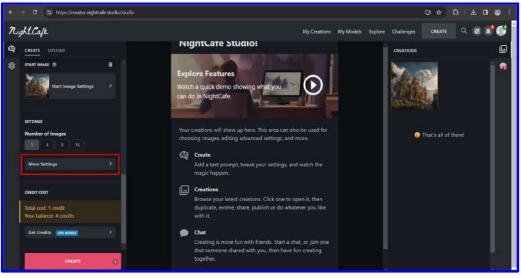
### You can download option by clicking on the image



### AI Generated Downloaded Image



### To modify the image, click on more settings



Can Change the Runtime and Aspect Ratio as per requirements

🗧 🕂 C 🚝 https://creator.nightcafe.studio/st	ulio?open=advanced_settings		6 x 5 4 0 8 1
NightCafe		My Creations My Models Explore	Chalenges CREATE Q 🗷 🖍 🚭
CREATE UPLOAD	Advanced Settings	V DONE	CREATIONS
Start binge Settings	Number of Images 1 4 5 16 Output	1.05 Megapixels	
SETTANS Number of Images	Modium Rantime Start Modium Long Aspect Ratio 1:1		That's all of them!
CREDIT COST	Aspect ratio is not available when using a start image		
Your balance: 4 credits Get Credits			
CREATE 1			

### **Subscription Details:**

- Free plan: Includes basic text-to-image generation with limited resolution and processing priority.
- **Basic plan:** \$9.99/month, unlocks higher resolution images, priority processing, and access to more creation methods.
- **Pro plan:** \$29.99/month, offers everything in Basic, plus custom prompts, multiple-style generation, and bulk creation features.
- Enterprise plan: Custom pricing for businesses and organizations with advanced needs.

### 2.3.4 Dezgo



Dezgo offers a versatile AI Text-to-Image generator that lets you effortlessly turn your imagination into stunning visuals. Here's a breakdown of its features, functionalities, and how to create your own AI artwork:

### **Features:**

- Multiple AI models: Choose from various models like Stable Diffusion, Dream Shaper, Night mare Shaper, and more, each offering unique artistic styles.
- **Controllable generation:** Refine your prompt, adjust generation settings, and generate multiple versions for fine-tuning your image.
- Advanced options: Access additional features like style interpolation, in painting, and text-to-video (in beta) in the Power Mode (paid subscription).
- **High-resolution images:** Generate images up to 512x512 pixels (free) or 1024x1024 pixels (paid) with the option to upscale further.
- **Community and resources:** Explore user-created prompts, tutorials, and discussions in the Dezgo community.

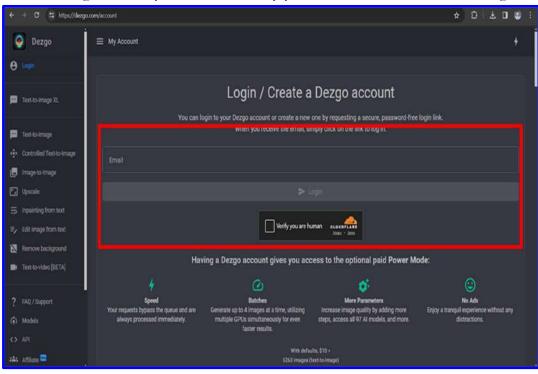
### Source:

https://dezgo.com/

### Walkthrough:

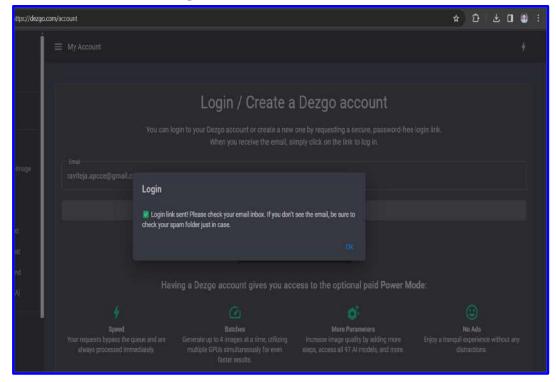
<ul> <li>C S https://dezg</li> </ul>	scont	÷	۵	•	0. E
💽 Dezgo	≡ Text-to-image				ĺ
θ Login	Generate an image from a text description				
Text-Ic-Image XL	powered by Stable Diffusion AI ( <u>CreativeML Core RAL-M</u> ) Prompt				
🕅 Text-to-Image	Division from the Annal Inneger attacked took 1910				
Controlled Text-to-Image	2				
🖪 image-to-image					
Ca Upscale	Model The All land to private the image				
Inpainting from text	DreamShaper 8 (general)				
$\equiv_{p}$ Edit image from text	Count				
Remove background	Available in Power Mode				
Text-to-video (BETA)					
? FAQ / Support	More options 👻				
() Models					- 1
zäs Afflicte 🎬					

Dezgo Application Home Page

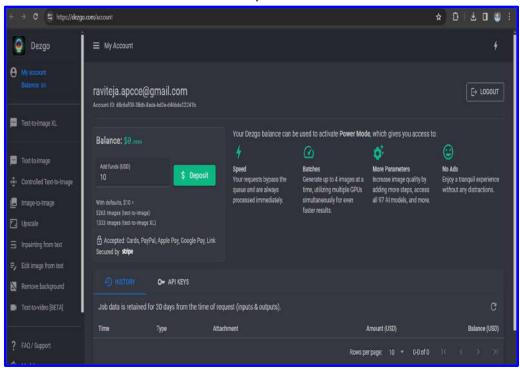


Click on Login, Enter your Email, Verify you are human and Click on Login

### Login Link will be sent to mail







Click on the Link in the mail and you will be redirected to dashboard

### Click on Text-to-image, enter the Prompt and Click on Run

€ → Ø 😫 https://dezg	scenibiling	*	Ð	2 0	0 1	
👰 Dezgo	≡ Text-to-image			FREE	4	ĺ
My account     Balance: \$0	- New Texture Textoground removal": vesily remove backgrounds from your images with past one clock. Available as a standalable backon & as an option on     -New XL model "Takint Design Redmond": unlikesh your crestivity and generate stanning's shirt designs. Available in both Free & Power Mode. <u>Try III</u> -New "Shop" Betware Level as imaged Now you can detectly order custom prints on a verievy of products like shirts, muga, and more.					
📰 Text-to-Image XI.	Generate an image from a text description					
Test-to-Image	Prompt					
Controlled Text-to-Image	Poorps Describe how the final maps should hok like					
📕 Imageto-Image	Beautiful River Valley with Animals					
Dpscale						
$\Rightarrow$ trpainting from text	Model					
🗐 Editimage from text	The AI rand to persent the Image.					
Remove background	vieamonthe.e (General)					
📑 Test-to-video (BETA)	Court Tearlier of mages to provem 4 Available in Power Mode					
? FAQ/Support	More options					
(🖡) Models	More options v					
() API						



### AI will generate the Image

C 😫 https://dezg	o.com/tst2ing		* 0 * 0 @ :
Dezgo	≡ Text-to-image		FREE #
y account dance: \$9	Prompt Describe free the final image should look like		<b>hun</b>
et-to-image XL	Beautiful River Valley with Animals		421184732
nt-to-image entrolled Text-to-image	Model The Al uses to generate the image DreamShaper 8 (general)	-	
lage to Image Vecale	Count Scalar of recent is present 🔶 Available in Power Mode		
painting from text It image from text	More options		
move background		State /	
st-to-video (BETA)			
vQ / Support odels		Sing in	
		+ DOWNLOAD	THOP -

### Click on Download to get the AI generated Image





# C to they // degree in the solution of a set 
### Click on Upscale option to Resize the Image

Click on Remove Background option to remove the image background

← → ♂ t\$ https://dezg	s.com/remove background	\$ ٥	0	۲	
🧕 Dezgo			FREE		
My account     Balance: Sit	- Yow Names "Background removed: natily remove backgrounds from your images with just one circle Available as a standaione function & as an option on XL m     - New XL model "Tablet Design Redmond": unleash your creativity and generate structuring Leash designs. Available in both Free & Power Node. <u>To it!</u> - New "Stepp" Batteric Loved an image? New you can detectly order costson prints on a vertery of products like t-shifts, mugh, and mene.				
Text-to-Image XL	Remove the background from an image				
📕 Text-to-image	Image The reput seage				
🔹 Controlled Text-to-Image	Max: 758x758pt (auto-resized)				
Image-to-Image	Drag and drop files here or click				
🖸 Upscele	±				
⇒ Inpainting from text	The Archite Charles and the state of the second state of the secon				
	Mode What type of august to intum				
Remove background	Return the original image with transparency +				
Text ID video [BETA]					
(*) Modele					

### **Subscription Details:**

Dezgo offers a free plan with limited daily generations and resolution. Paid subscriptions start at \$9.99/month and unlock higher resolution images, more daily generations, advanced features, and access to Power Mode.

### 2.3.5 Wepik

Wepik offers an AI Text to Image Generator, allowing you to turn your textual ideas into unique visuals. Let's explore its features, functionality, and how to make the most of this tool.

### Features:

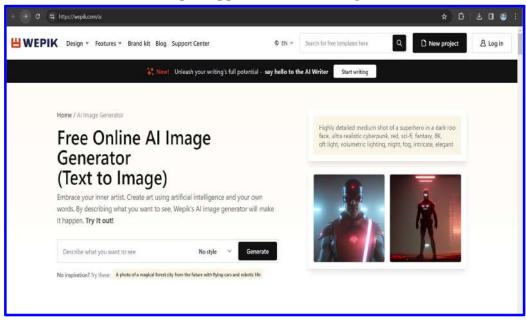
- Effortless image creation: Describe your desired image using keywords, phrases, or sentences.
- **Style flexibility:** Choose from various styles like photography, digital art, painting, comics, and more.
- Aspect ratio control: Select the perfect format for your needs, from standard rectangular to various social media sizes.
- **Refined generation:** Generate multiple versions of your image and adjust your prompt for optimal results.
- **Basic editing tools:** Edit your generated image with Wepik's built-in photo editor (limited in the free version).

### Source:

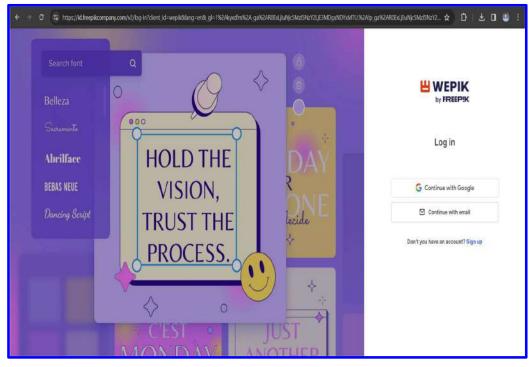
https://wepik.com/ai

### Walkthroughs:

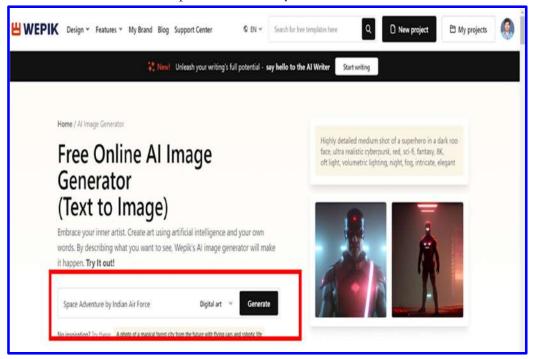
### Wepik Application Home Page



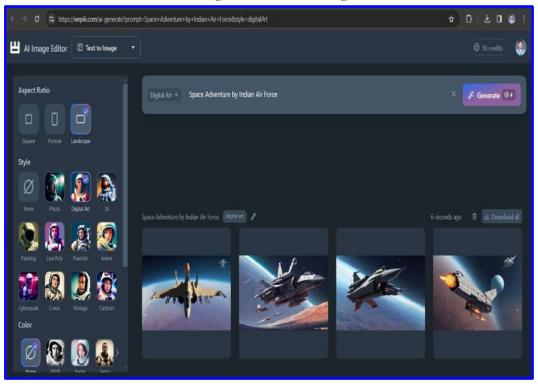
# Click on login. You can Sign Up or Continue with Existing Google Account.



### Enter the Prompt, Select the Style and Click on Generate



### AI will generate Four Images

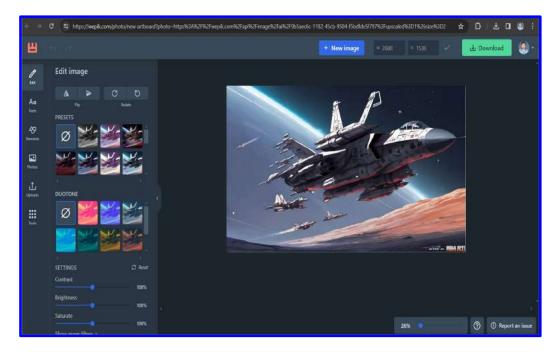


Click on the images to view and can download them





If you want to modify the image, click on pen icon to edit



### **Subscription Details:**

Wepik offers a free plan with limited daily generations and resolution. Paid subscriptions start at \$9.99/month and unlock higher resolution images, more daily generations, advanced editing tools, and other features.

### Comparison of AI Text-to-Image Generator Tools: DreamStudio, NightCafe Studio, Dezgo, and Wepik

Feature	Dream Studio	Night Cafe Studio	Dezgo	Wepik
Pricing	Fermium (limited use), Paid plans start at \$19/month	Fermium (limited use), Paid plans start at \$9.99/mo nth	Fermium (limited use), Paid plans start at \$9/month	Fermium (limited use), Paid plans start at \$9.99/mont h
Image Styles	Wide variety, including photorealisti c, abstract, fantasy, etc.	Variety of artistic styles, including painting, anime, pixel art, etc.	Various styles, including realistic, cartoon, fantasy, etc.	Multiple styles, including photograph y, digital art, painting, comics, etc.
Advanced Features	In painting, out painting, style transfer, animation (paid plans)	Communi ty challenges , batch generation , collaborati on (paid plans)	Collaborati ve creation, 3D generation (limited in free plan)	Basic editing tools (limited in free plan)
Resolution	Up to 2048x2048 (paid plans)	Up to 1024x102 4 (paid plans)	Up to 1024x1024 (paid plans)	Up to 2048x2048 (paid plans)

Daily Generation Limit	Limited in free plan, higher limits in paid plans	Limited in free plan, higher limits in paid plans	Limited in free plan, higher limits in paid plans	Limited in free plan, higher limits in paid plans
Community	Active community forum and Discord server	Active communit y forum and Discord server	Smaller community, mainly focused on 3D generation	Growing community, focused on ease of use
Additional Notes	Known for high-quality outputs and advanced features	User- friendly interface and strong communit y engageme nt	Unique focus on 3D generation and collaborativ e creation	Emphasis on simplicity and basic editing tools

### **Conclusion:**

As we navigate the ever-evolving landscape of creative tools, AI textto-image generators emerge as powerful democratizers of visual expression. From Mid journey, Dream Studio's artistic versatility to Night Cafe's collaborative spirit, Dezgo's innovative 3D capabilities to Wepik's userfriendly approach, each platform caters to distinct needs and preferences. Ultimately, the choice lies in your creative vision and desired level of control. Remember, these tools are merely catalysts, igniting the spark of creation and empowering you to translate your imagination into stunning visuals. So, embrace the possibilities, explore the unique strengths of each platform, and embark on a journey where technology amplifies your artistic voice!

# AI IN TEACHING ONE STOP SOLUTIONS FOR TEACHERS



### 2.4. AI in Teaching - One Stop Tools for Teachers

This section explained the One stop tools which are useful for using AI in their teaching. The AI tools which are useful to generate content, email content, etc by using a few keywords. The tools are able to generate Interactive activities to the students such as poll, feedback, etc.

### 2.4.1 Eduaide

Eduaide represents an AI-driven tool empowering educators to efficiently craft distinctive educational materials with unprecedented speed. This type of AI is often categorized as generative AI, where a model generates unique content. Eduaide specifically utilizes OpenAI's API, configuring the model to operate within defined instructional design parameters. Notably, Eduaide is designed to be model-agnostic, meaning it is not tied to a specific model or API.

### Features:

- The Teacher's Assistant: Simplify administrative tasks Free up time once dedicated to paperwork and procedural duties to focus on more meaningful work—such as planning, customizing instruction, and exploring innovative teaching methods.
- **Personalization Tools:** It adapts and modifies generated content to tailor the learning experience that aligns best with your specific teaching context.
- Feedback Bot: It Instantly generates feedback for students utilizing four built-in rubrics or importing your own, offering specific constructive feedback along with actionable steps for improvement.
- Eduaide Chat: It Collaborates with an AI teaching assistant, inquires about follow-up details, brainstorms new ideas, and seamlessly integrates the responses into your Eduaide Workspace.
- Assessment Builder: It develops assessments with six different question types, allowing you to adjust question difficulty, customize questions to suit your requirements, and export them to the workspace.
- Language Preferences: Enhanced accessibility in over 15 languages Incorporate AI-assisted planning, regardless of user's native language, for a more inclusive educational experience.



### Source:

### https://www.eduaide.ai

### Services offered:

- 1. Content Generator
- 2. Assistant
- 3. Feedback Bot
- 4. Chat
- 5. Assistant Builder

### 1. Content Generator:

It generates various types of content such as Unit Plans, Engagement Activities, etc.

Eduaide.Ai	Content Generator	
C Generator	Subject science	Grade v Upperclass (students Grade 11-12) v
<ul> <li>Assistant</li> <li>Feedback Bot</li> </ul>	Planning Information Objects Independent Practice Coop	operative Learning Gamification Questions
D Chat	Lesson Seed     Lesson outline with a range of techniques,     strategies, and activities aligned to an objective.	☆         Unit Plon         ☆           Well-sequenced unit plan, streamlining curriculum design for educators.         ★
🖾 History	Prior Knowledge • Scaffolding     A lat of methods for scaffolding for knowledge necessary     for students to engage with to-be-learned material.	☆         Learning Objective + Success Criteria         ☆           Objective for the class and the scaffolded steps to reach that objective.         □
	Engogement Activities Spark curiosity, promote interest, and sustain learner investment.	
Upgrade To Edualde Pro     Settings     Sign Out	Rubric Precise rubrics, streamlining grading and providing clear feedback.	☆     ◆ Evidence Statements     ☆       Evaluate students: pursuit of mastery with measures aligned to a taxonomy of educational objectives.     ★
	Lesson Plan - 5 E's	💠 🐟 Lesson Plan - Gagné's Nine Events of Instruction 🛛 🕁

### **Procedure:**

- i. Select the subject and Grade
- ii. Select any of the following Category:
  - a) Planning
  - b) Information Objects
  - c) Independent Practice
  - d) Cooperative Learning
  - e) Gamification
  - f) Questions
- iii. Select the option in that Category
- iv. Enter the Topic or Keyword(s).
- v. Click Enhance Button
- vi. Click the Add to Workspace Button.



Input:

- Subject: Science
- Grade: Post Secondary (College Level Students)
- Category: Planning  $\rightarrow$  Unit Plan
- Topic or Keyword(s): C Programming

### Output:

Eduaide.Ai	✓ Engagement Activities ☆ Spark curlosity, promote interest, and sustain learner investment.	Assessment Measures     Assessment Measures     Evaluate students' level of     attainment in pursuing     mastery of course content.	Unit Plan: Proficiency in C Programming Language Grade Level: Post Secondary (College Level Students)
l Assistant Feedback Bot Chat	→ Rubric	♦ Evidence Statements ☆ Evaluate students' pursuit of mastery with measures aligned to a taxonomy of educational objectives.	Topic: Students should demonstrate proficiency in C programming language, including an understanding of data types,
외 Assessment Builder G History		Lesson Plan - Gogné's Nine 🏠     Events of Instruction Draft a lesson plan aligned to     Gagne's Nine Events of Instruction.	
Upgrade To Eduaide Pro	Topic or Keyword(s) Students should demonstrate proficien including an understanding of data typ arrays, and file handling.		designed to help college-level students develop a strong foundation in the C programming language. Throughout this unit, students will gain a comprehensive understanding of various topics, including data types, control structures, functions, arrays, and file handling. By the end of this unit, students will demonstrate proficiency in the C programming
<ul> <li>Settings</li> <li>Sign Out</li> </ul>	12/15	Add To Workspace	language through the completion of hands-on coding assignments and assessments. Unit Objectives: By the end of this unit, students will be able to:

### 2. Teaching Assistant:

This service assists the Teacher in their various activities.

Eduaide.Ai	Teaching Assistant		
f Generator	Grade		
	Post Secondary (College Level Students)		3
9 Assistant	Professional Duties Accessibility Wellness		-
9 Feedback Bot	Professional Duties Accessionity Weimess		
) Chat	😽 Email Outline 🙀	🔶 Syllabus Starter	7
Assessment Builder	Tactful email outline to guide your writing.	Syllabus outline, ensuring a clear and structured path for any class.	
History	수 Substitute Planner ☆	🔶 Class Announcement	5
	Plan for smooth classroom management when a substitute is needed.	Keep class informed and engaged. Streamline communication on an LMS or other system.	
	♦ Newsletter Outline	🔶 Learning Skills Comments	5
	Keep parents and guardians informed and encourage collaboration or contributions.	Variety of comments for a range of skills.	
Upgrade To Eduaide Pro		* Report Card Comments	1
3 Settings	Framework for crucial letter writing.	Comments directly toward the grade earned by students.	
a accounter	Topic or Keyword(s)		
<ul> <li>Sign Out</li> </ul>	Students should demonstrate proficiency in C programming language, in arrays, and file handling.	cluding an understanding of data types, control structures, functions,	



### **Procedure:**

When the following procedure is implemented then the output is displayed at the Workspace.

i. Select Grade

ii.Select any following Category:

- a) Professional Duties
- b) Accessibility
- c) Wellness

iii.Select any option in that Category

iv.Enter the Topic or Keyword(s).

v. Click Enhance Button

vi.Click Add to Workspace Button.

### **Example:**

Inputs:

- Grade: Post Secondary (College Level Students)
- Category: Professional Duties  $\rightarrow$  Email Outline
- Topic or Keyword(s): Parents Meeting

### Output:

Eduaide.Ai	Tactful email outline	♦ Syllabus Starter ☆ Syllabus outline, ensuring a clear and structured path for any class.	Subject: Invitation to a Parent Meeting for Post-Secondary Students Dear [Parent/Guardian's Name],
<ul> <li>Ø Assistant</li> <li>D Feedback Bot</li> <li>D Chat</li> </ul>	Substitute Planner	◆ Class Announcement ☆ Keep class informed and engaged. Streamline communication on an LMS or other system.	I hope this email finds you and your family in good health and high spirits. I am writing to invite you to a parent meeting tailored specifically for parents/guardians of post-secondary students, which will take place on February 19, 2024, at [Time] in [Location].
급 Assessment Builder G History	Keep parentis and guardians informed and encourage collaboration or contributions.     Collaboration or contributions.	Learning Skills Comments     Ariety of comments     for a range of skills.	Purpose of the Meeting: The purpose of this meeting is to provide you with valuable information and guidance to support your child's success at the post-secondary level. We understand that this transitional period can be both exciting
	<ul> <li>♦ Letter of Recommendation ☆</li> <li>Framework for crucial letter writing.</li> </ul>		and challenging, and our aim is to address any concerns or questions you may have regarding your child's academic journey.
	Topic or Keyword(s)		Meeting Agenda: During the meeting, we will cover the
Upgrade To Eduaide Pro     Settings	Provide information and guidance to 19-02-2024, specifically tailored for s		following topics: 1. Overview of the post-secondary experience: We will provide an overview of what students can expect in terms of academic expectations, campus life, and the
[→ Sign Out	13/15	*Enhance	opportunities available to them. 2. Academic support services: We will discuss the various

### 3. Feedback Bot:

It auto-generates the feedback for the student's assignments.

Eduaide.Ai	Feedback Bot
🗹 Generatur	Assignment For Feedback
Ø Assistant	Enter textu generata (i) Feedback
🖨 Feedback Bot	
Ø Out	
C Assessment Builder	
😂 History	
	(01) (E000 Curvers
	C Typographic Fieldock Speling and guarniar errors
	Speling and granmar errors  Speling and granmar errors  Denger mechanics of writing
	O Semantic Feedback
	Cuttom Feedback Generate cuttom feedback using your own orbests or ruboic
	Add To Miningpool
😌 Upgrade To Educide Pro	
Ø Settings	
(# Sign Cut	

### **Procedure:**

When the following procedure is implemented, then the output is displayed at the Workspace.

i.Enter the Assignment for the feedback.

ii.Select any the following options:

- a.Typographic Feedback: It generates feedback based on the Spelling and grammar errors of the assignment.
- b. Syntactical Feedback: It generates feedback based on the deeper mechanics of writing
- c.Semantic Feedback: It generates feedback based on the Logic and reasoning of writing
- d.Custom Feedback: It generates custom feedback using the user own criteria or rubric

### Example:

Input:

• Assignment for Feedback: Student Assignment on the Computer & its Basic Parts.

• Option: Typographic Feedback

### Output:



### 4. Eduaide Chat:

The user will interact with Eduaide AI. This service is available in Eduaide Pro only.

Eduaide.Ai	Eduaide Chat		& History	• New Chat
<ul> <li>Generator</li> <li>Assistant</li> <li>Feedback Bot</li> <li>Chat</li> <li>Assessment Builder</li> <li>History</li> </ul>		<ul> <li>Start chatting with Eduaide Chat for any unscripted requests or to brainstorm new ideas using Ai.</li> <li>→ Explain a Concept</li> <li>→ Engagement Strategies</li> <li>→ Classroom Management</li> <li>A To take advantage of Eduaide Chat, upgrade to Eduaide Pro for unlimited access to chat.</li> </ul>		i≣. Workspace
Upgrade To Eduaide Pro     Settings		Upgrade to Eduaide Pro to use Eduaide Chat	3	
[→ Sign Out		Edualde Chat can make mistakes. Always review the output for accuracy and biases.		

### 5. Assessment Builder:

Eduaide.Ai	Assessment Builder		
🕑 Generator	Grade		
Assistant	Upperclass (Students Grade 11-12)		×
⊕ Feedback Bot □ Chat	Topic or Keyword(s) Enter a topic or keyword(s) You can also enter standar	d based language to generate aligned content.	
Assessment Builder			Q
D History	E 0/15		&Enhance
	Muttiple Choice	True or False	
	Short Answer	Fill In The Blank	
🕀 Upgrade To Edualde Pro	Matching	Essay	
<ul> <li>Opgrade to Equalde Pro</li> <li>Settings</li> </ul>			Generate Questions
[→ Sign Out			

### **Procedure:**

When the following procedure is implemented, then the output is displayed at the Workspace.

- i. Select Grade
- ii. Enter the Topic or Keyword(s).
- iii. Click the Enhance Button
- iv. Select any following category
  - a. Multiple Choice
  - b. Short Answer
  - c. Matching
  - d. True or False
  - e. Fill in The Blank
  - f. Essay
- v. Click Generate Questions.

### Example:

Input:

- Grade: Post Secondary (College Level Students)
- Topic or Keyword(s): Basics of Computer
- Category: True or False



### Output:

Eduaide.Ai	Assessment Builder		
🕑 Generator 19 Assistant	Grade Post Secondary (College Level Scuderex)		-
<ul> <li>Preclack Rot</li> <li>Char</li> <li>Char</li> <li>Woorconvert Builder -</li> </ul>	Topic or Keywordsa Basics of Computer		
© наточу			At Enhance
	Multiple Choice	True or False	
	Short Answer	Fill in The Blank	
	Matching	Essay	
			- Degenerate
	Question 1		Add to Workspace
	A computer is an electronic device that can store, retrieve, and process data. Answer: True		
	Question 2		H Add to Workspace
	A byte is the smallest unit of data that a computer can process. Answer False		
B Upgrade To Edualde Pro	Question 3		Add to Workspace
® Settings	RAM stands for Random Access Memory and is used to store data that is curr	ently lieing used by the computer.	
(+ Sgr.Out	Antower: True		

### 2.4.2 Curipod

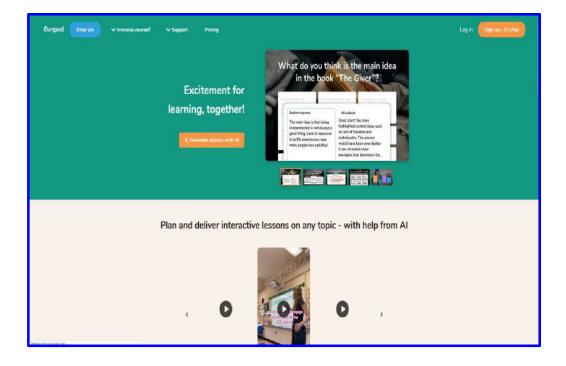
Curipod is a unique AI-powered presenting tool designed for educational purposes. Curipod uses artificial intelligence (AI) to automate the creation of lesson plans, giving educators a starting point for easy revision and improvement. Curipod facilitates the creation of content in a wide range of subject areas, including math, social and emotional learning, exploration and creativity, sustainable development, and more.

### Features:

- It provides AI-generated lesson ideas and material
- It provides customizable lesson templates.
- It provides customizing and adapting auto-generated content.
- It Saves time for lesson planning.
- It has the multimedia-rich interactive lessons
- To provide the analytics to track student participation
- It provides the drag-and-drop interactive activities
- It offers tools for adding your own content.



### https://curipod.com



### **Create Account:**

Select the primary role and Click Next Button

Create Account	
What is your primary role?	
Teacher         Instructional/Tech Coach         Library Media Specialist         School Administrator           District Administrator         Purchasing Manager         Other	
Next: Created with 😻 from an	

### Select the subjects you teach (Optional Step)

Select the s	subjects you	u teach (Optional Step)			
Curipod	, ,			Abready have an account? Log in	
	< Go back	Create Account What subject(s) do you teach?	Skp2		
	English La	Inguige Arts Math Science Social Studies Other Select All Created with © man 10			

Select the grade you teach (Optional Step)

< Ge back	Create Account	5кр)	
	What grade(s) do you teach?		
	st 2nd 3rd 4th 5th 6th 7 11th 12th 13th PD Higher Education	n Sth 9th Other	
	Select All		
	Coasted with 🖤 fram an		

Select the Interests & Click Next Button. (Optional Step)

It has the following three options:

- Increased Classroom Engagement a.
- b. Creating editable slides fast with AI
- Other If you select this then it asks the reason c.

¢ Go back	Create Account	Skip 🕽	
w	hat excites you most about using Curipod?		
	<b></b>		
	Horeased classroom Creating editable engagement slides fast with Al		
	Other		
	Next		
	Creating with 🖤 from set		

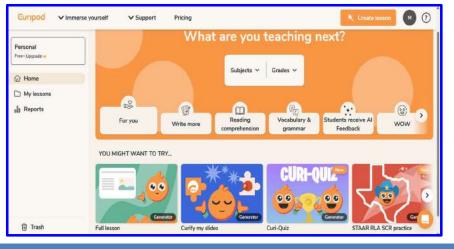
### Enter the School Name & Click Done Button (Optional Step)

ć Go back	Create Account	Skp)	
	What is the name of your school?		
	in g Livecare regel school		
	Created with 🖤 from to		

After this for email it asks two options either to provide the e-mail id. If you want to select a Google account then Google will share your name, email address, language preference, and profile picture to Curipod.

Create account
53 Sign up with email
or
G Continue with Google
Almady have an account? Log m
0) is signing up, non-social car there and Coostilans. Process root an Prices Policy
Chanded with 🖤 from we

### User Home will be displayed.



### Create a Lesson:



### To Create a Lesson It has the following two options:

- 1. Generate Slides
- 2. Curify My Slides

### 1. Generate Slides:

By selecting the Generate Slides option, the Teacher may uses AI to create presentations from scratch on any topic or query. The teacher is free to add, modify, or remove any slides as well as select the kinds of activities.

### **Procedure:**



At the Teacher Home select Full Lesson.

At Generator Inputs, Select Grade and Enter Learning standard or topic and Click Do Magic Button.

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wrianaf wr Upurae + 2) Morec 3) My Hasona 3) My Hasona 9) Mg Hagorts	Fil taxe Fil taxe Taxe Taxe Taxe Taxe Taxe Taxe Taxe T	Full lesson - generator Compared and the second Compared and the second Compared and the second Second Second Compared and the second S	
🔁 Trash			c

Presentation Slides Generated with Edit Options. In this Add New Slide, Upload another Presentation for merging, Text, Media, Elements, Background, Translate Options are available.



### 2. Curify My Slides:

It enhances the already created slides. i.e., It adds the Interactive activities to the existing presentation. It also provides edit options to the user after adding the activities.

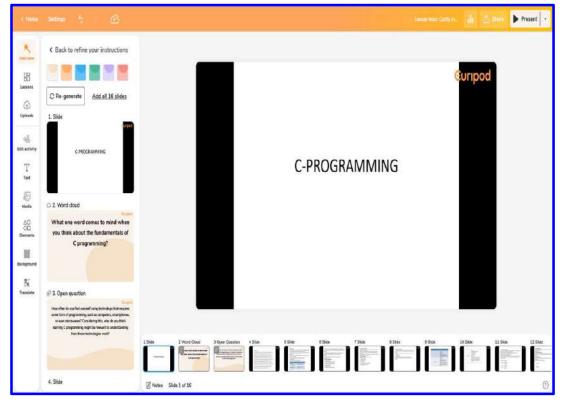
### **Procedure:**

- M 7 Euripod V Immerse yourself V Support Pricing What are you teaching next? Personal Free + Upgrade Subjects v Grades v G Home My lessons R n Reports B \*\* -A > Reading Students receive Al For you Write more wow mprehensi Feedback YOU MIGHT WANT TO TRY... . 回 Trash STAAR RLA SCR practice Full lesson Curify my slides Curi-Quiz
- Go to User Home

Select Grade, Upload the Presentation (Supporting formats: .ppt, .pptx, .key and .pdf) and Click Do Magic button.

Gunpod Vimmerse	r yourself 🗸 Support Pricing	K Greate leaver	0 🔍
Personal Iner-timode € My lesons A Reports	Certary of development	Curricy on yolides - generators         Correctors         Correctors         Corrector description         Understanders         Updated a DPF or PPF (if you have Google Sides, first deverted them as a DPF).	
🗑 Trash			0

• The Presentation with Interactive activities and with different edit options is available.



When Present button clicked then



### **Presentation:**

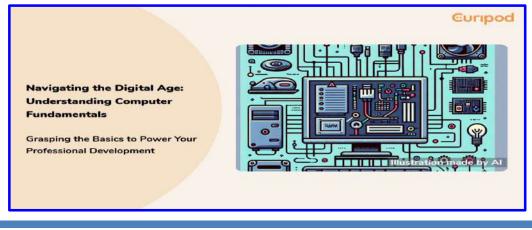
The Presentation contains Slides, Student Joining Pin with QR Code, Interactive Activities such as Polling, Feedback, etc.

### Example:

Input:

- Grade: Professional Development
- Learning Standard or Topic: Basics of Computer

### When Present button clicked then the Presentation Slides are





Curipoc

## Introduction to Computers: Definition and Importance in Today's World

### What is a Computer?

A computer is an electronic device that processes information. It takes in data, works on it with programs, and gives us results. Computers can do lots of different jobs because they can follow exact instructions.

### **Types of Computers**

There are many kinds of computers, from tiny ones in our watches to huge ones that manage things like space flights. But most often, we use laptops, desktops, tablets, and smartphones.

### Why Computers Matter

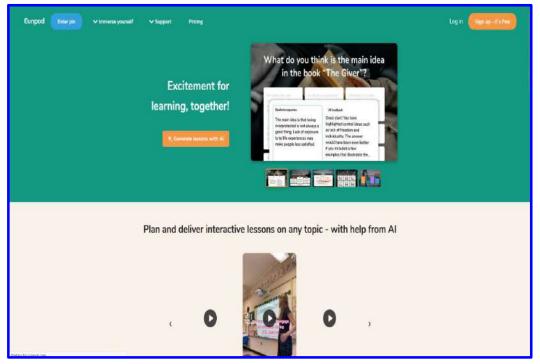
Computers are super important because they help us do things faster and better. They're used everywhere - in schools, hospitals, and even in making movies. Knowing how to use them helps us in lots of ways.

### **Student Joining:**

• At Teacher's Screen, Pin will be displayed:



At Student's Screen, at Home Page, Click Enter PIN:



At Student's Screen, Enter PIN. In this example PIN is 266913

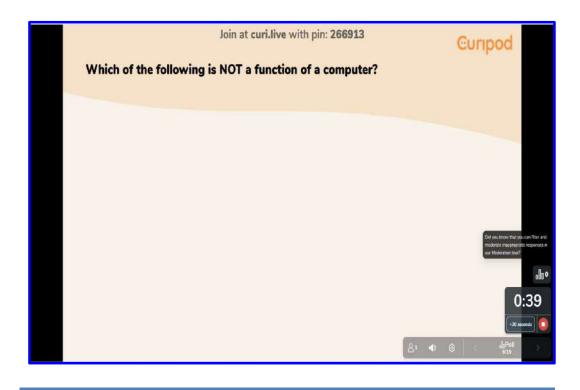
Curipod
ENTER PIN

At Teacher's Screen, The Joining Student list will be displayed with their nick-names:



### **Polling:**

At Teacher's Screen - Poll will be displayed and Teacher Starts the Polling.



AI TOOLS IN TEACHING, LEARNING & RESEARCH

At Student's Screen – Question will be displayed with four options.

-

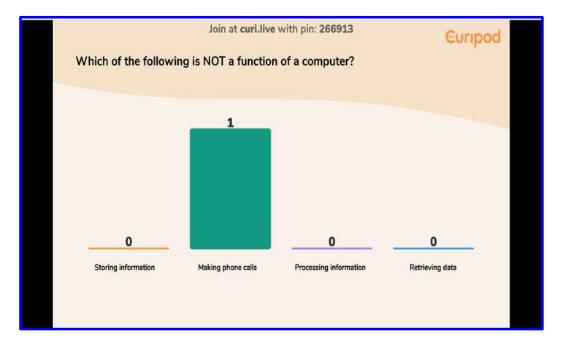
Which of the following is NOT a function of a computer?	
Storing information	
Making phone calls	
Processing information	
Retrieving data	

At Student's Screen – Student submitted the answer and waiting for Teacher's response.

↑↑↑ tis happening on the big screent

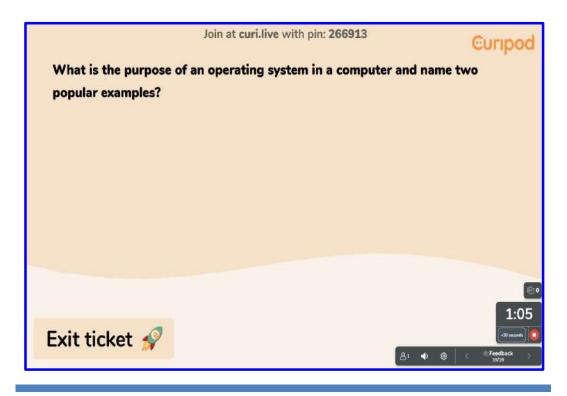


### At Teacher's Screen – The Student answer was displayed.



### Feedback:

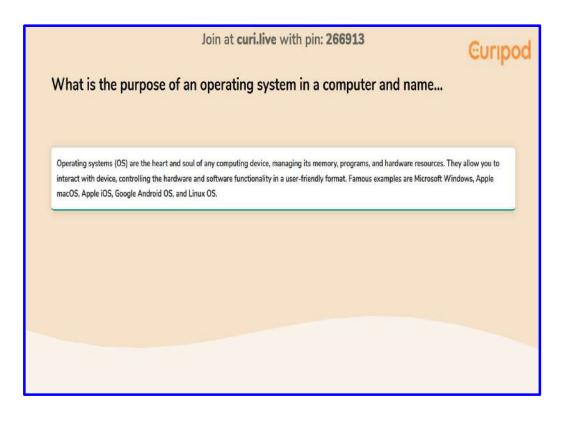
• At Teacher's Screen, an assignment was displayed and waiting for students' respons

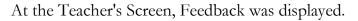


At Student's Screen, After submitting data.



At Teacher's Screen, Teacher Received the response from the student:





	lon at curi livos	with nin: 266913	x	Curipoo
What is the <sub>l</sub>	Operating systems (OS) are the heart and soul of any computing device,	Wow, that's a very impressive answer! You've explained what an operating system is and what it does really well— it's like the brain of the computer, isn't it? And you've named not just two, but		
Operating systems (O interact with device, c macOS, Apple iOS, Gc	managing its memory, programs, and hardware resources. They allow you to interact with device, controlling the hardware and software functionality in a user-friendly format. Famous examples are Microsoft Windows, Apple macOS, Apple iOS, Google	five examples of operating systems - that's fantastic! Remember, since the question asked for two examples, next time you can pick your favorite two to talk about. Keep up the great work – you're learning so much!		They allow you to Vindows, Apple

At Student's Screen, The feedback was displayed.



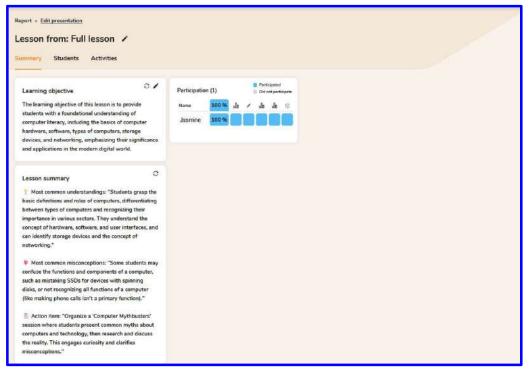


The Reports were generated at Teacher's Homepage.

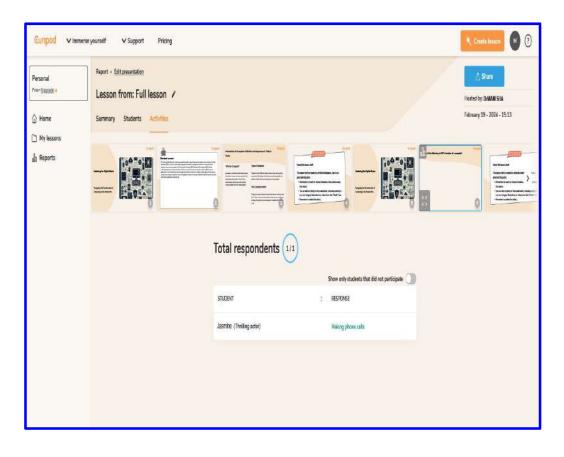
Personal Free-Usorade -	What	t are you f	teaching I	next?	
Theorem and the second se		Subjects ¥	Grades 🗸		
Home		Subjects +	Glades		
My lessons	Write more	Reading comprehension	(All Vocabulary & grammar	Students receive Al Feedback	wow >
	D TRY	Generator	CURI-Q		

#### Go to Teacher's Homepage

- 2. Click Report and Select any one following Category:
  - a. Summary
  - b. Students
  - c. Activities



mmary Students	Activit	es		
udents Jasmine (Thrilling actor)		Participation Name ab classifie Jasmine 100 % Get insights for Click the button below to generate insights abor performed in this class. CC Get student insight a) Which of the following is NOT a funct Answer: Making phone calls *Votes: 1	•	
		Discuss how the components of a con memory, input/output devices, OS, ap user interfaces) work together to perf such as opening a document.	plication software,	



#### 2.4.3 Canva Magic Write

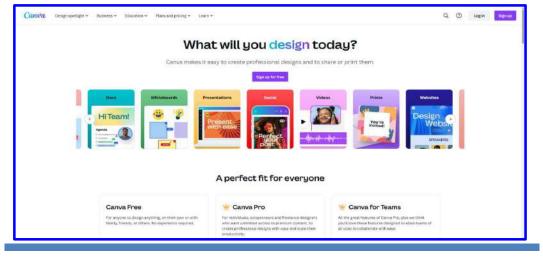
In Canva, Magic Write is the personal AI-powered tutor. With the help of Magic Write the user will create a sentence, paragraph, list, or outline to use as a starting point after selecting one of Canva's templates. It is capable of producing lesson plans, making lesson presentations and summarizing ideas.

#### **Features:**

- It is useful for Brainstorm faster and find new ideas
- It Generates short-form text for social media captions, profile bios, product descriptions, and more—with a few prompts.
- It Generates long-form text for Quickly crafting high-quality, long-form content for blogs, sales emails, feature stories, and more.
- It Creates outlines for articles, blogs, or essays to better structure any piece of content.
- It Creates lists for marketing strategy lists.
- It generates catchy headlines, titles, and taglines fit for your blog, article, essay, story, or more with the keywords you specify.
- It generates complete paragraphs for articles, essays, stories, blogs, and other content types in your desired tone or voice.
- It helps you rewrite any piece of content.
- It highlights existing text, adds a few prompts, and Magic Write will automatically write the next sentences.
- It automatically edits typos and zaps grammar mistakes so you can speed up your creative process.
- It will reword and rewrite any piece of content

#### Source:

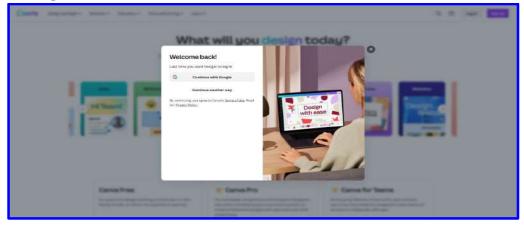
#### https://www.canva.com/login





#### Walkthroughs:

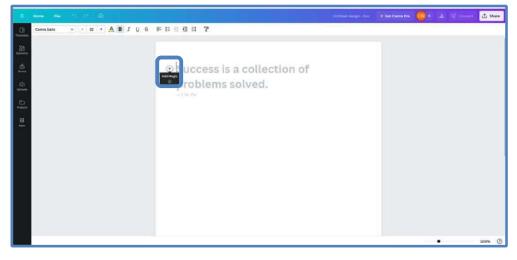
Login to User Account



#### Click Create a Design Button and Select Doc

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		Recent designs											1
Create a Tatara													

#### In the Doc click '+' button



# Select Magic Write

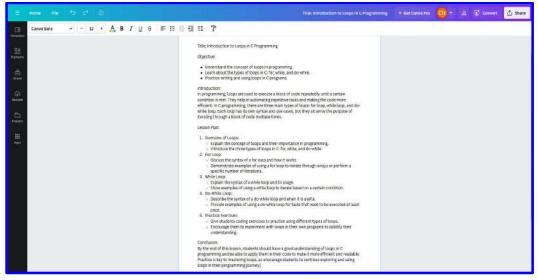
		Get Canva Pro	🙆+ 🔟	① Shan
	Success is a collection of C perchapting Active Magic wrone B Draip H' Heading Direktry Direktry			

At Magic Write Enter a description of content with 5 or more words.

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Canva Sans - 32 + 🙏 B I U S	FH∃011 <b>7</b>				
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			•		100% (?)
			•		100%

Example: Lesson Plan for Loops in C- Programming

- Magic Write generates the content and the user may download the content in .pdf format by Clicking the Share button.



#### 2.4.4 to-teach.ai

It is an online AI tool for creating personalized teaching materials for various subjects and topics. Using this tool teachers can plan their lessons, create exercises and worksheets, and generate quizzes and tests as per the learning needs of the students. It is also used to access and modify pre-made content from a library of over 500 exercises and worksheets.

#### Features

- AI-Generated Exercises and Worksheets: Create a wide range of exercises (multiple choice, gap-fills, etc.) and worksheets on various subjects based on your chosen topic.
- Lesson Plan Creation: Get support in constructing lesson plans, with AI suggesting objectives, activities, and assessments.
- Personalized Learning: The AI adapts content based on student responses, providing tailored support or additional challenges.
- Gamification: Incorporates interactive elements to motivate students and make learning more fun.
- Solutions and Explanations: to-teach.ai provides solutions and explanations for the exercises it generates.

#### Functionality & Benefits in Education

It streamlines lesson preparation and supports a more individualized learning experience:

- Teaching:
  - Efficiency: Saves teachers time by creating a foundation of readyto-use materials.
  - Personalization: Supports learning diversity with exercises adapted to student levels.
- Learning:
  - Engagement: Gamification and tailored content makes learning interactive and improves focus and knowledge retention.
  - Practice exercises offer self-guided learning with immediate feedback.
- Evaluation:
  - AI can collect insights about student progress, supporting datadriven interventions.

#### Limitations

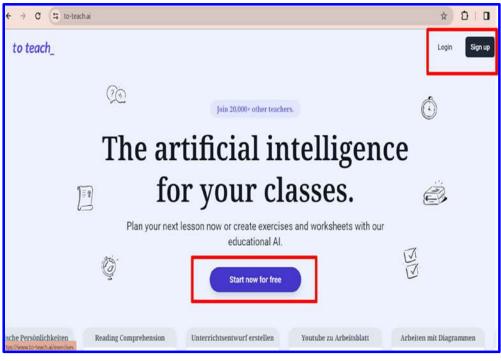
- AI Guidance: It cannot fully replace human teachers; educators should oversee its suggestions.
- Accuracy: Always verify the AI-generated material for errors or alignment with standards.
- Integration: It should complement lesson plans rather than dictate them entirely.

#### Source:

https://www.to-teach.ai/

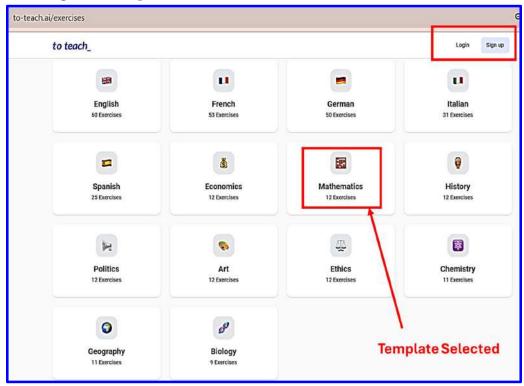


#### Walkthrough:



Visit to-teach.ai: Go to https://www.to-teach.ai/.

Upon clicking "Start now for free"



#### Start using the following template to create the lesson plan:

to teach_		Login	Sign up
Our exercise templates	Start using		
Various	this template		
Addition Adding matural numbers with personalized exercises.			
Fractions Personalized exercises on the topic of arithmetic with fracti-			
Division Olivide numbers with personalized exercises.	Create your Mathematics	Exercise	
Linear Equations Text problems and other tasks on the topic of linear equatio	Customize, Edit, Personalize and Down Over 10+ ai generated exercises.		
Multiplication Multiplying numbers with a one-digit, two-digit or three-digit			
Percentage calculation Vanous tasks for calculating percentages.			
Calculating with quantities Calculate with quantities and use units correctly			
Subtraction Subtraction natival outsharp and restling darimate with par-	*		

Sign Up/Log In for a free trial or a paid plan. Users can also sign in using their Google account.

Sign up
G Sign up with Google
 or
E-Mail Adress
E-Mail Adress
Password (Min. 6 characters)
Password
First and Last Name
First and Last Name
<ul> <li>I have read and agree to the Privacy Policy and Terms and Conditions.</li> </ul>
<ul> <li>I want to get informations about new teaching materials and features.</li> </ul>
Sign up
 Terms and Conditions Privacy Pol



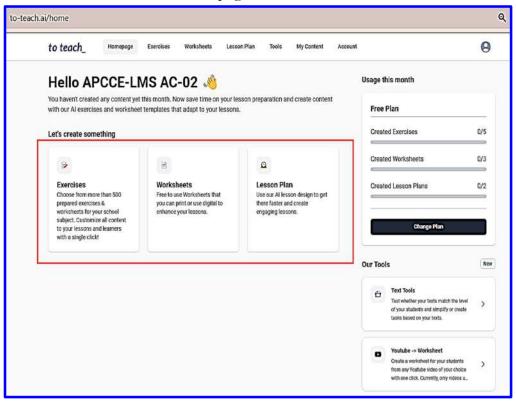
#### Select College / University

hat is your primary profe	ession?		
Teacher			~
hich type of school/edu	cational institution do you wor	'k at?	
College/University			~
<ul> <li>College/University</li> <li>Language school</li> <li>Other</li> </ul>			
300101 31001C3	Geographiy	Filysical Education	00
	Other Foreign Language	Computer Science	Religion
Music			

#### Select Subject and Click the Save button.

/hat is your primary profe	ession?		
Teacher			~
Which type of school/edu	cational institution do you wo	rk at?	
College/University			~
Which subject(s) do you to	each or write content for?		
English	German	Spanish	French
History	Economics	Mathematics	Italian
Physics	Science	Biology	Chemistry
Social Studies	Geography	Physical Education	Art
Music	Other Foreign Language	Computer Science	Religion
Philosophy			

#### Now, it loads User home page



Click "Create Lesson Plan" button after entering all the details

Create a Lesson Plan	
Upgrade your account	Let's create a lesson plan
Language of the plan	/
ca English	$\sim$ $\checkmark$
Alter Dauer	
16-18 v 90	
Topic of the lesson	
Introduction to ER Models	
Type of lesson introduction	Create a Lesson Plan
No introduction specified	Create a lesson plan on the topic of your choice. Check
Focus of the lesson	out our examples to see what benefits you get with one of our subscriptions.
No focus set	v



You can download the lesson plan created as a Word document or share it with others.

Upgrade your account	0	and the second second	the manual man addant	git how you prefer. 5h	are on social media or with yo	er colleanues		
anguage of the plan					ar er skin riger er mirfe	a consequent		
		Topic: In	troduction to	ER Models				
ca English	v	Learning	Objectives:					
Alter	Dauer	Studen	ts understand t	he concepts of entities, attributes,	relationships, and car	dinality		
16-18 ~	90	along v	along with their notation in ER Models.					
opic of the lesson			and a second second	e importance of ER Models in data	base design and can d	listinguish		
				s and relationships.		000220		
Introduction to ER Models				mple ER Diagrams and are capabl	e of interpreting compl	lex ER		
ype of lesson introduction		Diagrar			inter contraction			
No introduction specified		Studen	ts develop the s	skill to translate real-world situatio	hs into ER Models.			
No introduction specified		Course:						
ocus of the lesson								
No focus set	~	Phase	Time	Content	Form of action			
Г	Create Lesson Plan		tion 15	Explaining the basic concept of ER Models, their importance in	in plenary by	Create		
	Construction of the second	Introduct		database design, and the terms: entities, attributes, and	teacher-student discussion	Create		

The screenshot below displays the lesson plan that was created.

#### Learning Objectives: Students understand the concepts of entities, attributes, relationships, and cardinality along with their notation in ER Models Students recognize the importance of ER Models in database design and can distinguish bet o ratitie 1.015 Students can create simple ER Diagrams and are capable of interpreting complex ER Diagrams Students develop the skill to translate real-world situations into ER Models Course: Phase Time Content form of action Explaining the basic In plenary by teacher 15 min concept of ER Models, their importance in tudent discussion database design, and the terms: entities, attributes, and relationships. Diving deeper into the terms entities, relationships, and Elaboration 40 min Group work attributes. Introducing the concept of cardinality. Students practice designing ER Models with simple amples Application 20 min Students will be given a Individual work, then eal-world scenario, and ollecting the results; they will need to design an ER Model accordingly. Summarizing the lesson in plenary by teachertudent discussion Summary and Outlook 10 min Teacher-led and explaining how this lecture will be discussion instrumental in understanding the next topic - Conversion of ER Diagrams to Table Structures Create an ER Diagram Homework Individual work; based on another realrecording results in world scenario provided writing by the teacher

#### Outlook:

This lecture serves as a foundation for understanding database design. It explains and demonstrates how a real-life scenario can be abstractly modelled using an ER diagram in preparation for the creation of a database. The students will also learn how to translate ER diagrams into tables, which will be covered in the following lesson. This lesson is foundational for students who are pursuing studies in computer science, especially those focusing on back-end development or data management.

- Select Exercise or Worksheet: Choose the learning material you want.
- **Input Topic and Details:** Enter the topic and specify the difficulty level if desired.

o teach_ Homepage Exercises Work	ksheets Lesson Plan Tools My Content Account
Our exercise templates Q. Search for an exercise	Mathematics Addition Adding natural numbers with personalized exercises.
Addition Adding natural numbers with personalized exercises.	Select a Gamification Type Word problems Calculation tasks Multiple Choice
Fractions Personalized exercises on the topic of anthenetic with fracti	Language English ~
Division Divide numbers with personalized exercises.	Specify the task
Linear Equations Text problems and other tasks on the topic of linear equations	There are 167 books in one classroom and 392 books in the other. How many books are there a Personalize the exercise
Multiplication Multiplying numbers with a one-digit, two-digit or three-digit	Gaming
Percentage calculation Various tasks for calculating percentages.	Create Exercise

#### • Output:

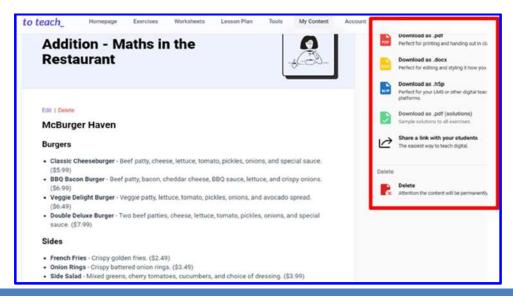
Tim ha	d 167 wins in his favorite game, Call of Duty. Over the weekend, he had 392 more
wins. H	fow many wins does Tim have total?
167 +	392 = ?
	as spent 167 hours playing Minecraft on his X-box. He also spent an identical amount playing the game on his PC. What is the total amount of time Sam has spent playing aft?
167 +	167 = ?
11.11.11.12.12	ear, Maya played Animal Crossing for 392 hours. She played for the same amount this year. How many hours did Maya spend playing Animal Crossing in total?
392 +	392 = ?
	arned 167 points in a Mario Kart race. Later, he earned the same amount of points in pre races. How many points did Josh earn in total?
167 +	167 + 167 = ?
	as 392 avatars in Virtual Reality Gaming, he got the same amount of avatars twice in ments. How many avatars does Tom have in total?
392 +	392 + 392 = ?
(	
	ad 167 victory royales in Fortnite. He then obtained 392 victory royales in the newest a and 167 more in the following season. How many victory royales does Billy have in
1202010	
167 +	392 + 167 = ?

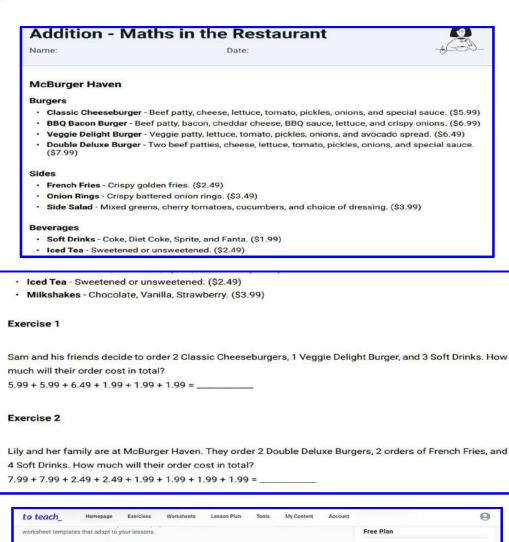
167 + 392 + 167 = ?						
otal?						
season and 167 more in the following season. How r	many victory royale	s doe	s Bill	y hav	e in	
Billy had 167 victory royales in Fortnite. He then obta	ained 392 victory ro	yales	in th	e nev	vest	
392 + 392 + 392 = ?						
Tom has 392 avatars in Virtual Reality Gaming, he go cournaments. How many avatars does Tom have in to		t of a	vatar	s twic	e in	
Tem has 200 quaters in Vistual Deality Camina, has a	at the same amount			e hude	in las	
167 + 167 + 167 = ?						
wo more races. How many points did Josh earn in to	otal?					
Josh earned 167 points in a Mario Kart race. Later, h	e earned the same	amo	unt o	f poir	ts in	

#### For Editing: Enter the data and Click Save button

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Addition	
sk	
Add 🧄 Remove 🔆	
501	
Tom has 392 avatars in Virtual Reality Gaming, he got the same amount of avatars twice	in tournaments. How
many avatars does Tom have in total?	in tournamenta. How
392 + 392 + 392 = ?	
1176	
Billy had 167 victory royales in Fortnite. He then obtained 392 victory royales in the news	st season and 167 more in
the following season. How many victory royales does Billy have in total?	
167 + 392 + 167 = ?	20
726	00

Creation of custom content.





t's create something			Creat	ed Exercises	1/5
	2	<b>A</b>	Creat	ed Worksheets	1/3
Exercises Choose from more than 500 prepared exercises & worksheets for your school	Worksheets Free to use Worksheets that you can print or use digital to enhance your lessons.	Lesson Plan Use our Al fesson design to ge there faster and create engaging lessons.		ed Lesson Plans	1/2
subject. Customize all content to your lessons and learners with a single click!	Second Solar Interesting	Profiler March and an and an		Change Plan	
ecently created contents		Show	Our Too	ls	34
Addition - Maths in the Restaurant 6 minutes ago - Mo Donalda	Worksheet	Shov	•	Text Tools Text whether your texts match the level of your students and simplify or create tasks based on your texts.	
Addition Exercise 11 minutes ago + Gaming		Shov		Youtube -> Worksheet	
Introduction to ER Models Lesson	Plan .	Shov	-	Create a worksheet for your students from any Youtube video of your choice with one click. Currently, only videos u.	

#### **Subscription Details**

It offers tiered pricing depending on the number of exercises and worksheets needed per month. It offers two types of subscriptions, include:

- Basic: Limited exercises and features.
- Premium: Unlimited exercises and additional functionality



#### 2.4.5 AudioPen

AudioPen is an AI-powered dictation and note-taking tool. It goes beyond simply turning your voice into text. AudioPen cleans up your spoken notes and helps you organize your thoughts. Simply press the record button, start speaking, and AudioPen will do the rest. It does more than just transcribe your speech; it reorganizes and clarifies your spoken notes into wellstructured text.

#### Features:

- Ease of Use: Start recording with just a press of a button no complicated setup required.
- Voice-to-Text Transcription: Records your voice and accurately converts it into text.
- Intelligent Rewriting: Improves your notes' grammar, clarity, and removes filler words (like "uh" and "um").
- **Summarization**: Condenses your notes into short, digestible summaries, highlighting the key points.
- Mobile & Desktop Apps: Easily use AudioPen on your phone (Android & iOS) or computer (Windows, macOS).

#### Functionality in Education:

- Students
  - Take Notes Easily: Capture ideas during lectures or discussions without struggling to type.
  - **Brainstorm ideas** and draft essays without the pressure of typing
  - Focus Issues: Helps students who struggle to focus while writing.
  - Accessibility: Useful for students with dyslexia or other conditions that impact writing.
- Teachers
  - Provide detailed feedback on student projects presented verbally
  - Lesson Planning: Quickly dictate lesson plans or ideas by voice.
- Other Applications
  - Business: Summarize meetings, dictate emails, capture customer feedback
  - Journaling: Document thoughts and reflections
  - **Content Creation:** Draft articles, social media posts, or scripts by talking

#### **Benefits in Education:**

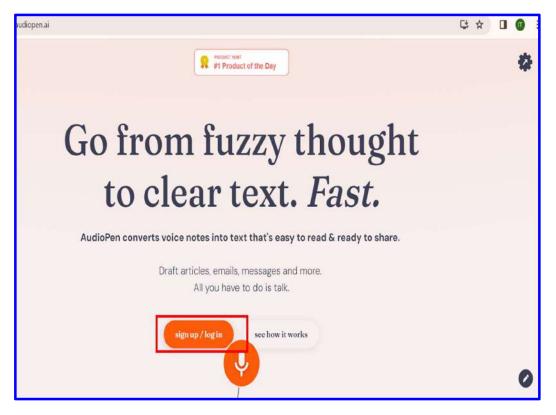
- **Capturing Lectures:** Students record lectures, with AudioPen transcribing and summarizing for easier review.
- **Project Brainstorming:** Students speak their ideas, with AudioPen converting those into a draft for further development.
- **Oral Presentations:** Students can receive feedback on their speech delivery and content (after being transcribed)

#### Source:

https://audiopen.ai/

#### Walkthrough:

visit Audiopen website: https://audiopen.ai/



Sign Up or Log in: Click on " sign up /log in", if you are a first-time user. Then, click on the "Continue with Google" button and follow the steps until you see "Continue," then click on it.



Start conversation with AudioPen to transform speech into text.



Starting the recording of Speech by pressing the mike and allowing the microphone



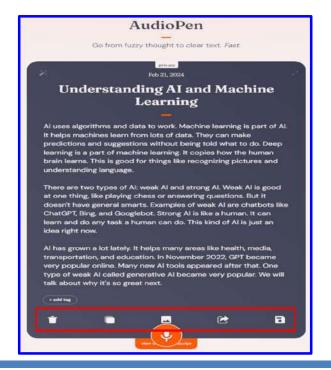
AudioPen records the voice by capturing whatever you speak through the microphone.



Converting the recorded speech into meaningful text may be challenging if the modulation is not clear.



Generated text from speech - can be copied, deleted and made converted into an image as shown in the screenshot below.





#### Recorded conversions



You can copy and paste the text converted from speech and share it with others. However, sharing this text directly from AudioPen to social media platforms is restricted for free users of AudioPen.

	Share this no —	ote
	This is a Prime featu am more about AudioPen the link below	
Al uses algorithm	Explore AudioPen Prime anding AI and Machine Le ms and data to work. Mach os machines learn from lots	ine learning is
can make prec	dictions and suggestions w	
Email	Twitter	WhatsApp

#### **Subscription Details:**

- Free version with limited features
- Prime version \$75/year; \$120 for two years

Audiope	en Prime
Two ways	to upgrade
Both one-time, non- Both with a 30 day m	
(prices increase or	1 26th March 2024)
Yearly Pass	2 Year Pass
\$75	\$120
Access to AudioPen Prime for 1 year	Access to AudioPen Prime for 2 years
You will only be charged once.	You will only be charged once.
At the end of the year, you can claude to manually retreat or nor. All the poles you've ansat during young to keeps.	After two years, you can choose to manually renow, or not. All the notes you've saved during your membership will still be you'll to keep.
DO-stary meaning date-4 generatives (ver-specialities and end)	JCT-day exceep back prevention (int questions sales)



Tool	Features	Functionality	Usage	Limitation	Additional	Subscriptio
				S	Notes	n Plans
Eduaide	1. AI-driven	1. Generates	1.	1. Requires	1. A new	1. Offers a
	platform that	content	Teachers	internet	tool that	free plan
	cators create	using Large		connection.	was	with limited
	lesson plans,	Language	to plan	2. May not	launched in	access and
	teaching	Models.	their	generate	2023.	a Pro plan
	resources &	2.	instructio	accurate or	2. Based on	for \$5.99
	assessments.	Personalized	n, create	appropriate	the concept	per
	2. Over 100	learning	teaching	content for	of "source,	month with
	resource	based on AI-	resources	every	shape, and	unlimited
	types and	driven	, and	context.	share" for	access to all
	learning	analytics.	assess	3. May not	creating	resources
	objects	3. Streamlines	student	cover all	educational	and tools.
	to choose	administrative	learning.	curriculum	resources.	
	from.	tasks.	2.	standards or	3. Has a	
	3. Feedback	4. Enhances	Students	topics.	community	
	Bot that	and	can use it		of	
	provides	transforms	to		practice	
	instant	generated	receive		where	
	feedback	content.	feedback,		teachers	
	for students.	4. Supports	practice		can	
	4. Eduaide	over 15	skills, and		collaborate	
	Chat that lets	languages.	explore		and	
	teachers ask		topics.		share their	
	the AI model				resources.	
	anything.					
	5.					
	Assessment					
	Builder that					
	creates					
	assessments					
	with					
	six different					
	question					
	types.					

#### Comparison of One Stop Solutions

Curipod	<ol> <li>AI- powered tool that helps teachers create engaging and interactive lessons.</li> <li>Curates relevant and reliable content from the web.</li> <li>Provides templates, quizzes, polls, and activities.</li> <li>Allows teachers to customize and edit their lessons.</li> </ol>	<ol> <li>Searches the web for content based on keywords or questions.</li> <li>Filters and organizes the content into categories.</li> <li>Generates quizzes and polls based on the content.</li> <li>Enables teachers to add their own content and questions.</li> <li>Tracks student progress &amp; engagement</li> </ol>	Teachers can use it to create lessons on any topic or subject. 2. Students can use it to access the lessons, interact with the content, and answer	<ol> <li>May not find content for every topic or question.</li> <li>May not match the</li> </ol>	<ol> <li>It is a tool that was developed by a team of educators and AI experts.</li> <li>Designed to save time and effort for teachers and to spark curiosity and interest for students.</li> <li>Compatible with Google Classroom and other learning managemen t systems.</li> </ol>	per year with full features and unlimited lessons.
Canva Magic Write	<ol> <li>AI- powered teaching assistant built into Canva.</li> <li>Generates content for various types of documents, such as essays, reports, presentations , posters, flyers, etc.</li> <li>Provides</li> </ol>	<ol> <li>Uses natural language -processing and generative AI to create content.</li> <li>Analyzes the document type, topic, and audience.</li> <li>Provides structure, outline, and examples.</li> <li>Checks</li> </ol>	<ol> <li>Teachers can use it to create documen ts, design visuals, and assign tasks.</li> <li>Students can use it to write documen</li> </ol>	original or relevant content for every document. 3. May not detect all errors or	1. Is a	users. 2. Canva for Education is free for teachers and students.

	suggestions, tips, and feedback. 4. Allows teachers to create and assign tasks to students.	grammar, spelling, and plagiarism. 5. Gives feedback on clarity, coherence, and tone.	ts, get suggestio ns, and receive feedback.			
To- teach.ai	<ol> <li>AI- powered tool that helps teachers create personalized and adaptive learning paths.</li> <li>Maps the curriculum standards and learning objectives.</li> <li>Recommend s the best resources and activities.</li> <li>Adjusts the difficulty and pace based on student performance.</li> </ol>	learning and data analytics to create learning paths. 2. Aligns the learning outcomes with the curriculum standards. 3. Suggests the most suitable resources and activities from a curated library. 4. Adapts the learning path based on student feedback and	and monitor student	1. Requires internet connection. 2. May not have resources and activities for every curriculum standard or learning objective. 3. May not suit the preferences or needs of every teacher or student.	<ol> <li>Is a tool that was launched in 2022.</li> <li>Is based on the principles of personalize d and adaptive learning.</li> <li>Is compatible with various devices and platforms.</li> </ol>	1. Offers a free plan with limite features and a Premium plan for \$19.99 per month or \$199 per year with full features ar unlimited learning paths.

T

AudioPe	1. AI-	1. Uses speech	1.	1. Requires	1. Is a tool	1. ffers a	
n	powered tool	-	Teachers	internet	that was	free plan	
	that	synthesis	can use it	connection.	developed	with	
	helps	to create audio	to create	2. May not	by a group	limited	
	teachers	content.	audio	transcribe	of audio	features and	
	create	2. Converts	content,	or	enthusiasts	a	
	audio	speech to	such as	synthesize	and AI	Pro plan for	
	content.	text and text	podcasts,	speech	researchers.	\$14.99 per	
	2.	to speech.	audioboo	accurately	2. Is	month or	
	Transcribes	3. Removes	ks,	or naturally.	designed to	\$149 per	
	speech to	background	lectures,	3. May not	make	year	
	text and text	noise and	etc.	edit or	audio	with full	
	to speech.	adjusts the	2.	enhance the	creation	features and	
	3. Edits and	volume.	Students	audio	easy for	unlimited	
	enhances the	4. Adds sound	can use it	1 2	teachers	audio	
	audio quality.		to	sufficiently.	and	content.	
	4. Adds	and music	listen to		students.		
	sound effects	from a	the audio		3. Is		
	and	library.	content,		integrated		
	music.		record		with		
			their		Google		
			own		Drive and		
			voice,		other		
			and edit		cloud		
			the		storage		
			audio.		services.		

#### **Conclusion:**

AI tools like EduAide.ai, Curipod, Canva Magic Write, to-teach, and AudioPen.ai offer exciting ways to transform teaching. While they can streamline tasks and enhance lessons, they're most powerful when used alongside teachers' expertise and critical thinking instruction. By embracing AI thoughtfully, we create a dynamic learning environment that benefits both teachers and students. This collaboration empowers educators and unlocks the full potential of every learner, shaping a future where technology and education work in harmony.

## CHAPTER – 3 AI IN LEARNING





#### CHAPTER -3 AI IN LEARNING TOOLS

### 3.1. AI in Learning - Large Language Models (LLMs) & Summarisation Tools

#### AI Powered Language Tools: Where Words Become Your Superpower

In the ever-evolving landscape of education, the rise of AI-powered language tools presents a new frontier, brimming with potential to transform teaching, learning, and evaluation. This section delves into three pioneering tools - ChatGPT, Gemini, and Copilot - each offering unique capabilities to empower educators and engage students. Whether you seek to unlock personalized learning pathways with ChatGPT's conversational AI, generate interactive lesson plans with Gemini's vast knowledge base, or streamline content creation with Copilot's intelligent assistance, this comprehensive guide equips you to harness the power of AI to elevate your classroom dynamics. Prepare to explore exciting pedagogical approaches, unlock innovative resources, and discover how AI language tools can become valuable allies in fostering deeper learning experiences for all. Let the journey begin!

#### 3.1.1. ChatGPT: Revolutionizing Language Through AI

ChatGPT, a large language model developed by OpenAI, harnesses the power of AI to revolutionize how we interact with language. Let's explore its features, functionality, and potential impact on teaching, learning, and evaluation:

- **Instant Answers:** ChatGPT provides quick responses to queries, making it useful for information retrieval.
- **Tailored Advice:** Users can seek personalized advice on various topics.
- **Creative Inspiration:** ChatGPT assists with brainstorming ideas, writing prompts, and creative content.
- **Professional Input:** It can simulate professional responses, making it valuable for drafting emails, reports, or articles.
- Learning Opportunities: ChatGPT can explain concepts, provide examples, and enhance learning experiences.

#### **Features:**

- **Conversational AI:** Interact with ChatGPT naturally, asking questions, seeking information, or engaging in open-ended discussions.
- **Text Generation:** Create different creative text formats like poems, code, scripts, musical pieces, emails, letters, etc.
- **Translation:** Translate text between multiple languages with varying degrees of fluency.
- Answering Your Questions: Access a vast pool of information and provide summaries or detailed answers to your inquiries.
- **Storytelling:** Craft engaging narratives based on your prompts and desired themes.

#### Source:

#### https://chat.openai.com/auth/login

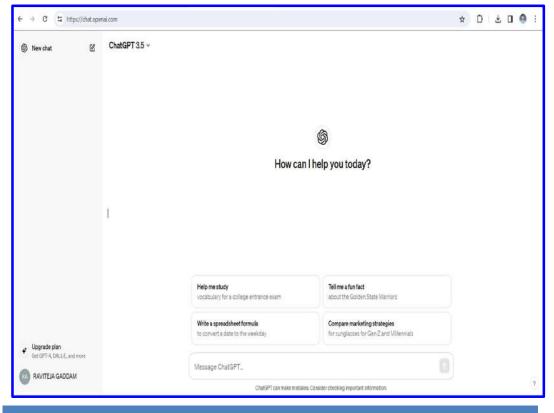
#### Walkthrough:



#### ChatGPT Application Home Page

uth0.openal.com/u/login/identifier/s	e=hKFo2SBGTy04dDhEQlZsTVpXSU9YR0IBS0toU1VVb2hqYTixSaFur3VuaXZlcnNhbC1sb2dpbqN0aWTZlDFoWW93U3ozTzhfeWF 🚱	\$ 2
	\$	
	Welcome back	
	Continue	
	Don't have an account? Sign up OR	
	G Continue with Google	
	Continue with Microsoft Account	

#### Dashboard

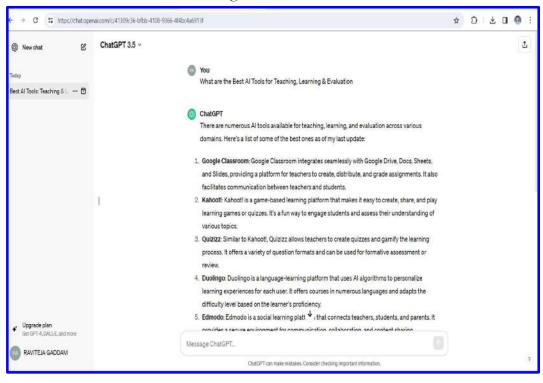




oenai.com			Ŷ	Ď	₹	0	0
ChatGPT 3.5 ~							
		\$					
		3.57					
	How car	h help you today?					
1							
	Help me study vocabulary for a college entrance exam	Tell me a fun fact about the Golden State Warriors					
	Write a spreadsheet formula	Compare marketing strategies					
	What are the Best Al Tools for Teaching, Learn	ning & Evaluation	0				

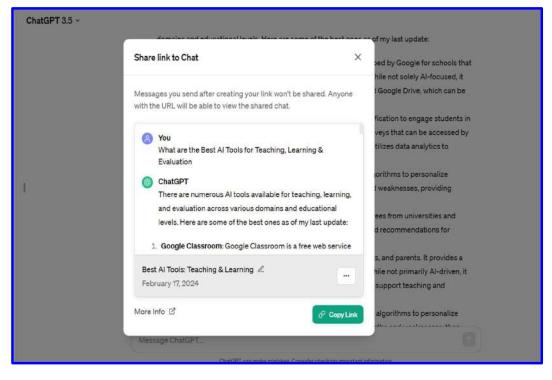
#### Ask anything in the Message Box and click on Enter

ChatGPT generates the answer

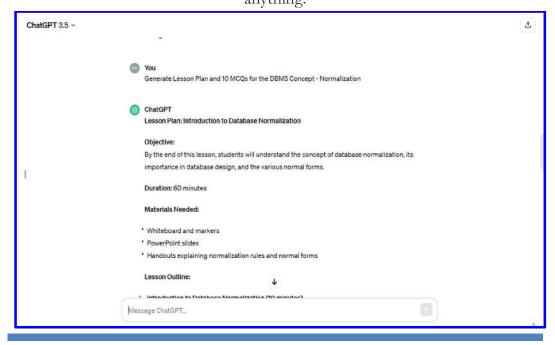




You can Click on Copy to get the generated answer or click on regenerate for another version or Share the chat as a link to others



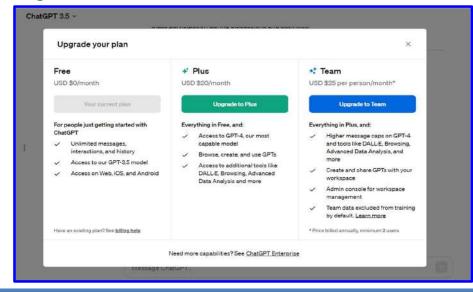
You can ask ChatGPT to generate lesson plans, frame the questions or anything.



10 C		
ChatGPT 3.5 ~		
ChatGP1 3.5	and proved of the energy and the contractions are the approximate and the contraction of the contraction of	
	<ul> <li>Demonstrate how to transform a table into 2NF and 3NF.</li> </ul>	
	<ul> <li>Provide examples to illustrate the concepts of 2NF and 3NF.</li> </ul>	
	4. Other Normal Forms (10 minutes)	
	* Briefly introduce other normal forms such as Boyce-Codd Normal Form (BCNF) and Fourth	
	Normal Form (4NF).	
	<ul> <li>Discuss when these normal forms are applicable and their significance in database design.</li> </ul>	
	5. Conclusion and Recap (5 minutes)	
	<ul> <li>Summarize the key points covered in the lesson.</li> </ul>	
	<ul> <li>Encourage students to review the material and ask questions.</li> </ul>	
1	Assessment:	
	* Quiz on normalization concepts and normal forms.	
	Class participation during discussions and activities.	
	Multiple Choice Questions (MCQs) on Database Normalization:	
	<ol> <li>Which of the following best describes datr</li></ol>	
	<ul> <li>a) The process of organizing data to minimize redundancy and dependency.</li> </ul>	



#### **Subscription Details:**



#### 3.1.2. Gemini: Revolutionizing Teaching, Learning, and Evaluation

Formerly known as Bard, Gemini is a powerful AI language tool that transforms the way we approach teaching, learning, and evaluation. It's not just a chatbot; it's a comprehensive platform packed with features designed to empower educators and engage students.

#### Features & Functionality:

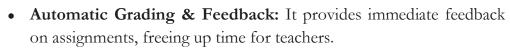
- Advanced Language Processing: Gemini understands complex queries and can respond in different styles, tones, and voices.
- Massive Knowledge Base: It draws on Google's vast knowledge base to provide accurate and informative answers.
- Creative Content Generation: Gemini can craft unique lesson plans, poems, scripts, code, emails, and more.
- **Personalized Learning:** It adapts to individual needs and learning styles, offering personalized feedback and activities.
- **Collaboration Tools:** Students and teachers can collaborate on projects through brainstorming, group discussion, and shared document editing.
- Assessment & Feedback: Gemini generates personalized quizzes and assessments, along with data-driven feedback for teachers.

#### Teaching & Learning:

- Engaging & Interactive Lessons: Gemini creates captivating lesson plans, simulations, and activities that foster deeper understanding.
- **Differentiated Instruction:** It personalizes learning for each student, providing tailored practice and support.
- **Content Creation & Curation:** Educators can generate educational materials, curate resources, and find relevant information effortlessly.
- Language Learning: Gemini facilitates interactive language learning experiences through dialogue practice and feedback.
- Critical Thinking & Creativity: It encourages students to ask questions, explore different perspectives, and develop creative solutions.

#### **Evaluation:**

• **Personalized Assessments:** Gemini creates quizzes and tests that align with learning objectives and student needs.



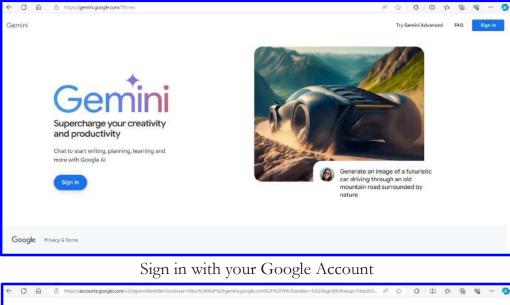
- **Data-Driven Insights:** Educators gain valuable insights into student progress and learning gaps.
- Formative & Summative Assessment: Gemini supports both formative and summative assessment approaches.
- **Standardized Testing Preparation:** It can help students prepare for standardized tests by providing practice questions and feedback.

#### Source:

#### https://gemini.google.com/

#### Walkthrough of Gemini Application:

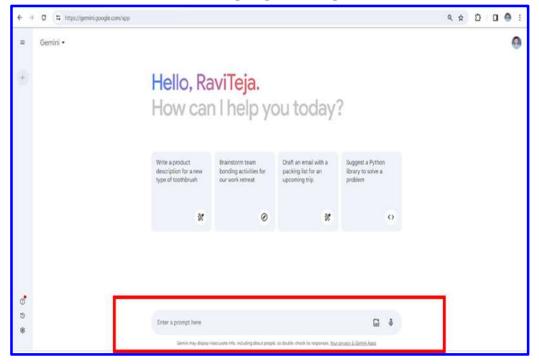
Gemini Application Home Page



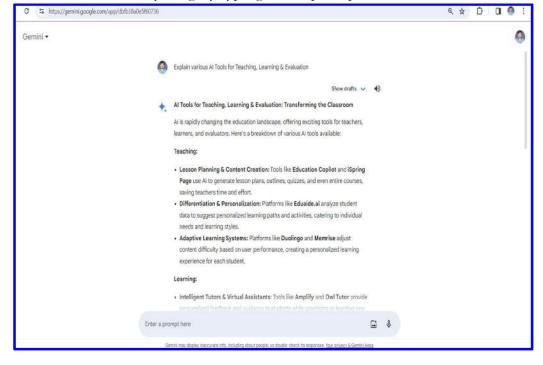
Google	
Sign in Use your Google Account	
Etral of phote	
Forgot email?	
Not your computer? Use a private browning window to sign in. Learn more about using Guest mode	
Create account Next	
English (United Stance) - Help: Pitracy Terms	



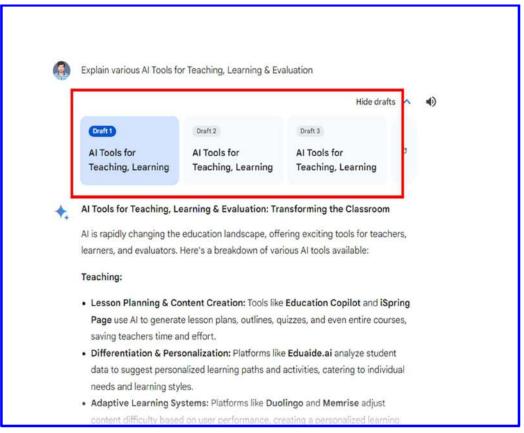
#### Landing Page after login



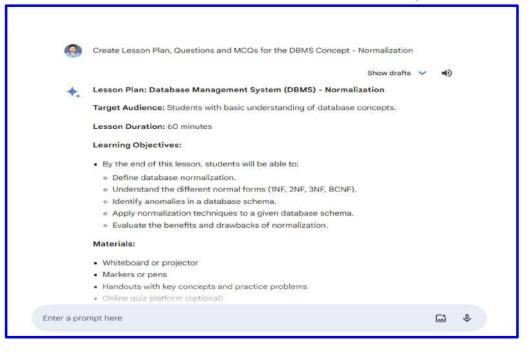
You can ask anything by typing in the prompt box and click enter



# It can create Three Drafts for your Question. You can select the most suitable answer



#### Can create Lesson Plans, Frame Questions and many more



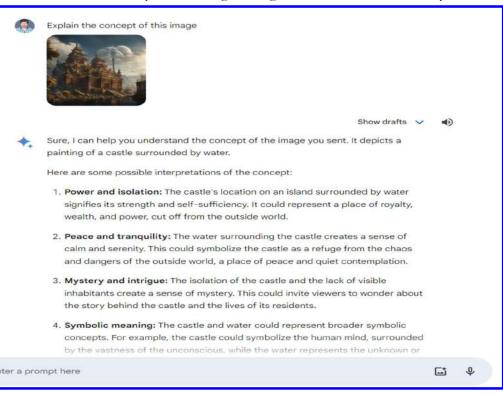
Activity (15 minutes):		
Divide students into groups and provide each group with a sample unnormalized		
database schema.		
<ul> <li>Ask them to identify anomalies in the schema and explain why they are</li> </ul>		
problematic.		
<ul> <li>Guide them through the process of normalizing the schema to 3NF (or BCNF) by</li> </ul>		
applying the appropriate techniques.		
<ul> <li>Encourage group discussions and facilitate sharing of approaches.</li> </ul>		
Assessment (15 minutes):		
Conduct a short quiz using online platforms or traditional pen-and-paper		
methods.		
<ul> <li>Include a mix of multiple-choice questions (MCQs) testing theoretical</li> </ul>		
understanding and application-based questions where students normalize a give	n	
schema.		
<ul> <li>Provide feedback and answer any remaining questions.</li> </ul>		
Conclusion (5 minutes):		
Summarize the key takeaways of the lesson: importance of normalization,		
different normal forms, and their application.		
<ul> <li>Encourage students to reflect on the benefits and potential drawbacks of</li> </ul>		
normalization in real-world scenarios.		

MCQs for Assessment:			
1. Which of the following is NOT a violation of 1NF?			
a) Repeating groups within a table			
b) Presence of null values			
c) Multivalued attributes			
d) All of the above			
2. What is the main objective of normalizing a database schema?			
a) To improve data security			
b) To reduce data redundancy			
c) To simplify data retrieval			
d) All of the above			
3. In 2NF, a non-key attribute must be fully dependent on:			
a) The primary key			
b) Any candidate key			
c) The entire table			
d) Nothing, it can depend on any other attribute			
4. Which normal form eliminates transitive dependencies?			
a) 1NF			
b) 2NF			
c) 3NF			
Enter a prompt here	۲.	Ŷ	

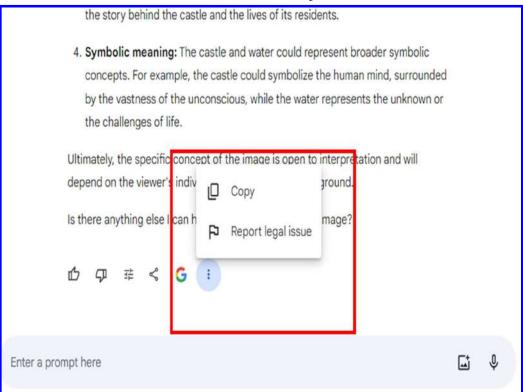
# You can upload an image and ask a question on it

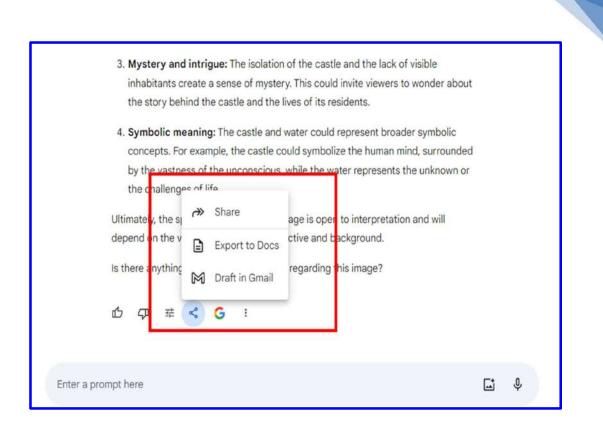
Explain the concept of this image			
and the second se	₽ ¢	⊳	
	load Image		

#### Gemini will analyse the image and generates the answer for you



#### Generated answers can be copied or shared





#### **Subscription Details:**

	►
Gemini A	dvanced
Try for 2 month	gle's most capable Al Ultra 1.0 ns, at no charge model is only available in English.
Gemini Comparison INR / month Solution Vith Pro 1.0 model, for everyday needs Help with writing, planning, learning and more Integrated with Google apps you already know and love	Gemini Advanced <sup>₹</sup> 1950 INR / month <sup>●</sup> With <u>Ultra 1.0 model</u> , our most capable <sup>Al model</sup> <sup>●</sup> State-of-the-art performance <sup>●</sup> Designed for highly complex tasks <sup>●</sup> Available soon: Gemini in Gmail, Docs, and more

# 3.1.3. Copilot: Your AI Companion for Teaching, Learning, and Evaluation

Formerly known as Bing AI, Copilot is a multifaceted AI-powered tool aiming to assist users across various tasks, including those in the field of education.

#### Features and Functionality:

Copilot offers a diverse range of capabilities, making it a valuable tool for teachers, learners, and evaluators:

#### For Teachers:

- Lesson plan and resource creation: Generate lesson plans, brainstorm ideas, and personalize learning materials based on student needs.
- **Differentiation and scaffolding:** Adapt and tailor content to individual learning styles and gaps, catering to diverse student needs.
- **Content creation:** Draft engaging learning materials like quizzes, presentations, and interactive activities.
- **Grading and feedback:** Automate repetitive grading tasks while providing personalized feedback with the help of AI suggestions.

#### For Learners:

- **Personalized learning journey:** Receive individualized attention and guidance through AI-powered tutoring and practice exercises.
- **Research and knowledge assistance:** Explore topics, conduct research, and answer questions with the help of Copilot's vast knowledge base.
- **Content translation and simplification:** Make learning materials more accessible by translating or simplifying complex information.
- **Study buddy and feedback provider:** Get practice with quizzes and receive feedback on written work or coding attempts.

#### For Evaluators:

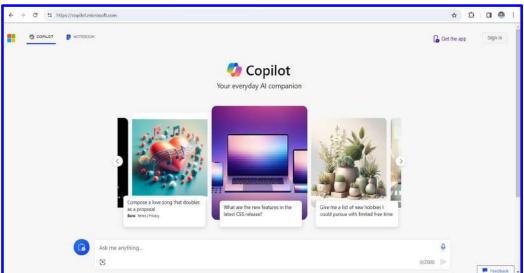
• Automated grading and plagiarism detection: Streamline assessment processes while ensuring academic integrity.

- s into strengths,
- Analyze student performance: Gain insights into strengths, weaknesses, and learning trends across class or individual levels.
- **Develop standardized assessments:** Create consistent and reliable tests and quizzes with the help of AI suggestions.

#### Source:

https://copilot.microsoft.com/

#### Walkthrough:

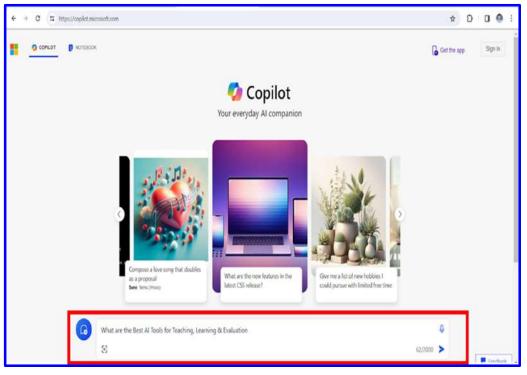


#### Copilot Application Home Page (Web Application)

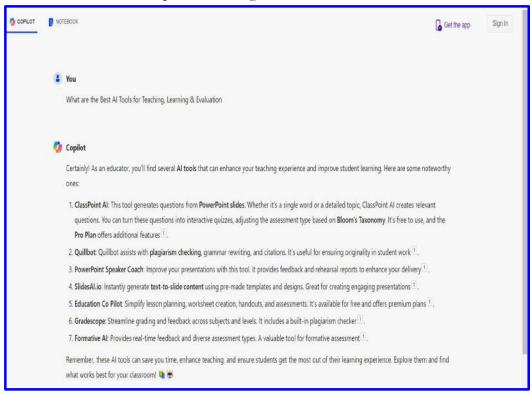
#### Home Screen (Desktop App)

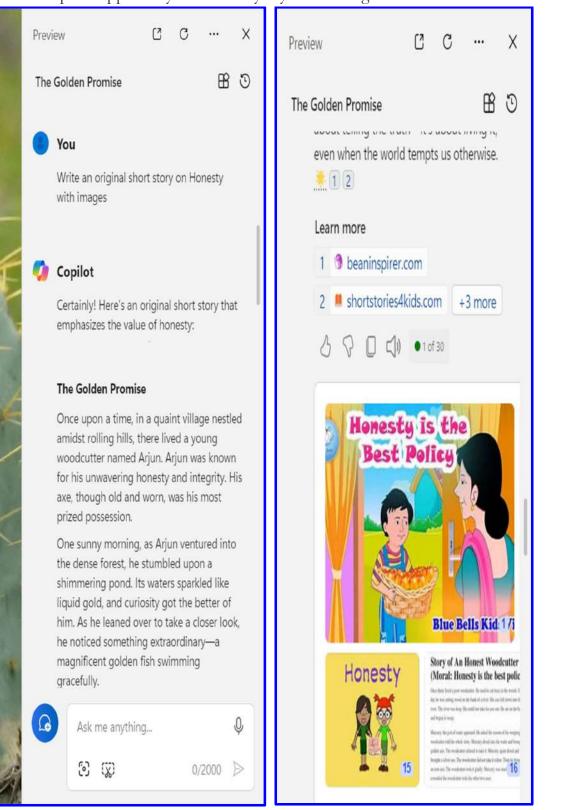


#### Type your question or ask anything and click on enter



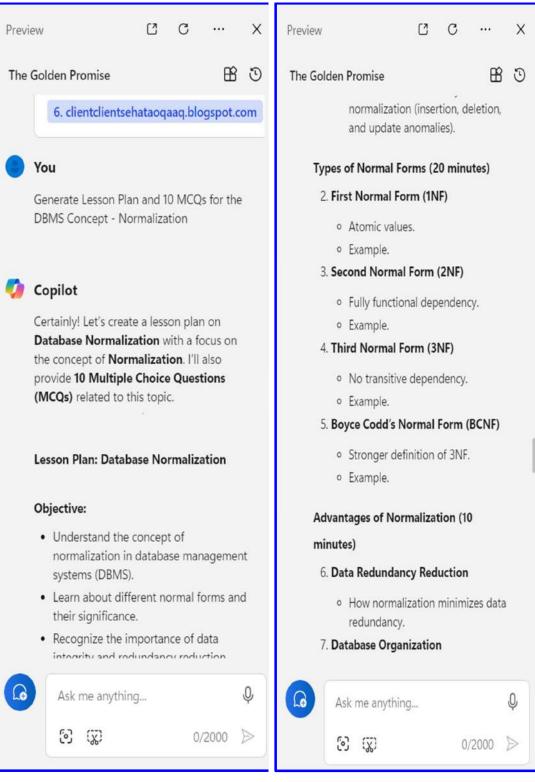
Copilot AI will generate the answer





# Copilot App is very much handy if you are using Windows OS

#### Copilot can generate Lesson Plans, frame the questions and many more

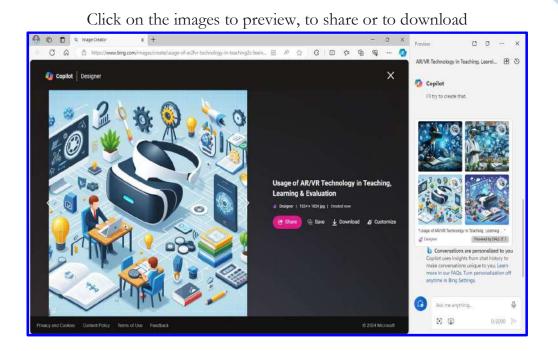




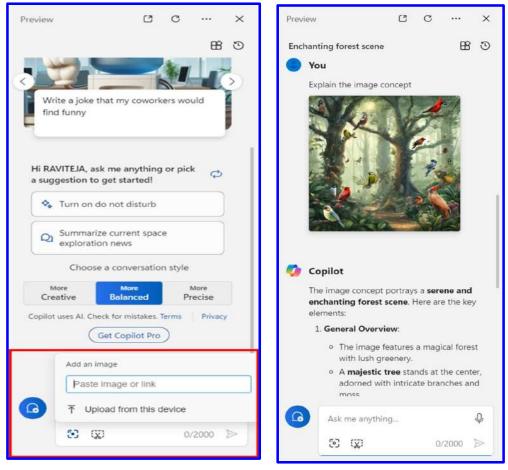
Multi	ple Choice Questions (MCQs)	
	/hat is the primary purpose of ormalization in DBMS?	
(	• A) Increasing data redundancy	
c	<ul> <li>B) Simplifying queries</li> </ul>	
0	• C) Minimizing data redundancy	
c	<ul> <li>D) Enhancing data security</li> </ul>	
0	• Answer: C	
ke	/hich normal form ensures that all ne ey attributes are fully functionally ependent on the primary key?	on-
	• A) 1NF	
c	• B) 2NF	
0	• C) 3NF	
0	<ul> <li>D) BCNF</li> </ul>	
0	• Answer: B	
	ansitive dependency is eliminated ir hich normal form?	1
0	• A) 1NF	
0	• B) 2NF	
c	• C) 3NF	
	Ask me anything	Ģ
(	ව ( <b>දූ</b> ) 0/2000	$\triangleright$







#### You can also upload an image and ask questions on it



Previ	ew			C	C		$\times$	
Ench	nanti	ng fo	rest scene			ß	5	
🤣	Col	pilot						
	enc	-	e concept   i <b>ng forest s</b> :					
	1. General Overview:							
	2.	o A a n o S d g	he image fe vith lush gre dorned with noss. oft beams of ense foliag low. <b>ific Elemen</b>	eenery. <b>ree</b> star h intrica of light e, creat	nds at ate brai	the cent nches ar nrough t	er, nd	
	3.	b p o T b p o L fl	irds: Variou irds are dep erched on l re in flight. ree: The ce ranches and oint. ighting: Th arts of the lora: Green owers cove	oicted. S branche ntral tre d serves e soft li forest fl grass a r the gr	Some a es, whil ee has g s as the ight illu loor. and blo round.	are e others gnarled e focal uminates ooming		
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6		Ask	me anythin	g			Ŷ	



#### Subscription Details:

## Copilot (Free)

For everyone who wants to find the right information, create unique content and get things done faster

## Copilot Pro (Paid)

For individuals, creators and power users looking to take their Copilot experience to the next level. ₹ 2,000.00 user/month

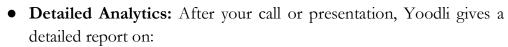
Copilot	Copilot Pro
For everyone who wants to find the right information, create unique content and get things done faster. With your free Microsoft account you can: • Use Copilot on the web and in Windows, macOS and IPadOS • Access GPT-4 and GPT-4 Turbo during non-peak times • Use test, voice and images in conversational search • Create and edit Al images with 15 boots per day with Designer (formerly Bing Image Creator) • Use plug-ins and GPTs	For those looking for accelerated performance and creativity capabilities, Copilot Pro supercharges your Copilot experience. This monthly subscription includes everything in Copilot, plus: Gain priority access to GPT-4 and GPT-4 Turbo including during peak times for accelerated performance to get things done faster Access Copilot in selected Microsoft 365 apps <sup>1</sup> to draft documents, summarise emails, create presentations and more Create, dit and resize all mages even faster with 100 boosts per day with Desgne (formerly Bing Image Creator)
Use free version of Capilot >	Get Copilat Pro

#### 3.1.4 Yoodli

Yoodli.ai is an AI-powered communication coach that helps you improve your speaking skills. It works like a personal trainer for your presentations, meetings, and interviews.

#### Features:

- **Real-time Feedback:** Yoodli analyses your speech as you talk, providing live suggestions on aspects like:
  - Pace (speaking too fast or slow)
  - Filler words ("um", "like")
  - o Energy and enthusiasm
  - o Clarity and conciseness



- Speaking time vs. listening time
- Word choice
- Vocal variety (tone, pitch)
- **Progress Tracking**: See how you improve over time with personalized dashboards.
- Yoodli integrates with popular video conferencing platforms like Zoom and Google Meet.
- Protects user privacy; your conversations are not recorded or shared.

#### **Functionality in Education:**

• Students:

- Practice presentations in a safe, private space.
- Improve confidence and delivery for class projects.
- Prepare for job interviews.
- Teachers:
  - o Provide more personalized feedback on student presentations.
  - Track student progress across assignments.
  - Help students build essential communication skills.
  - o Benefits for Teaching, Learning, and Evaluation
- **Teaching:** Helps instructors focus more on content and less on mechanics of delivery.
- Learning: Students get immediate, objective feedback without the pressure of an audience.
- **Evaluation:** Provides data-driven insights for both formative and summative assessment.

#### Limitations:

- **Can't replace human interaction:** AI shouldn't be a substitute for feedback from teachers and peers.
- Focuses on delivery: Yoodli primarily analyzes presentation style, not the content of ideas.
- Accuracy: While helpful, the AI analysis may not always be 100% accurate.

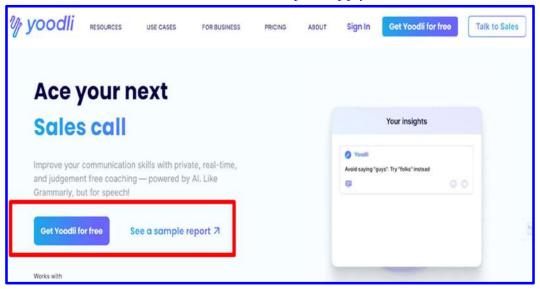


Source:

https://app.yoodli.ai/

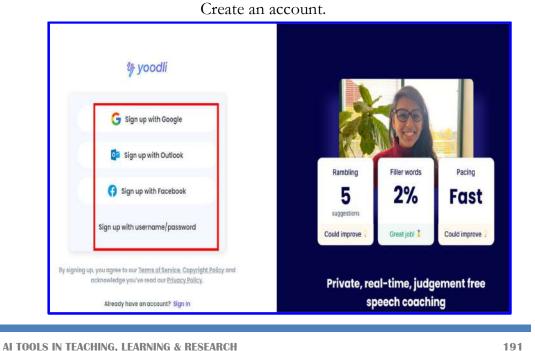
#### Walkthrough:

Visit the Yoodli website: https://app.yoodli.ai/

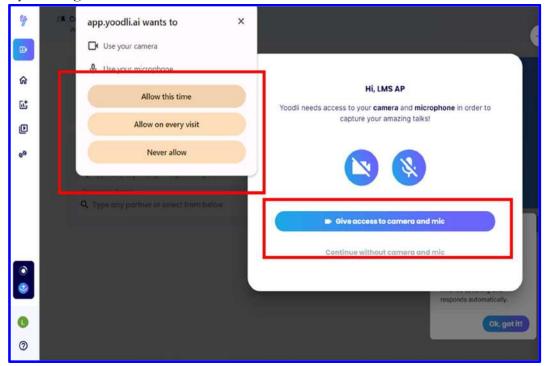


Yoodli can be used in two Ways:

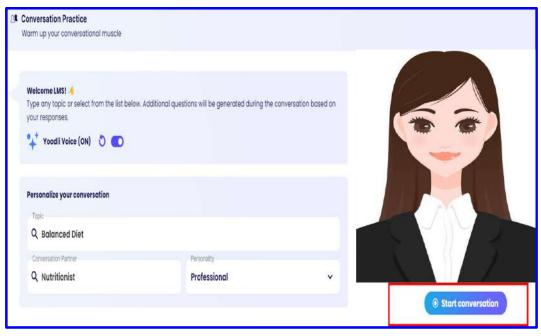
- ➢ Online Web Application
- Desktop Application



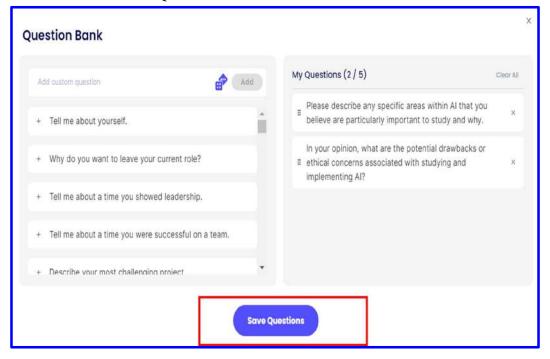
Now, to practice Interview, click on Sample and allow the camera and mic by clicking on "Allow this time"



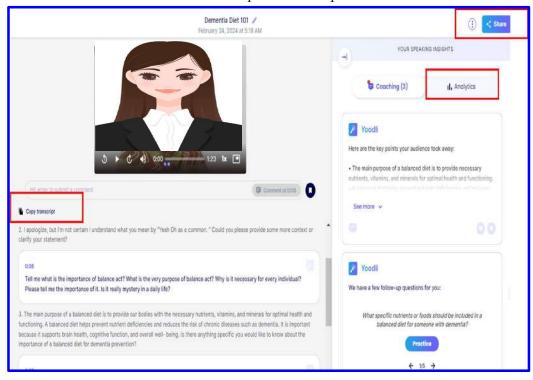
Provide the Topic, Conversation Partner and personality for Interview Practice:

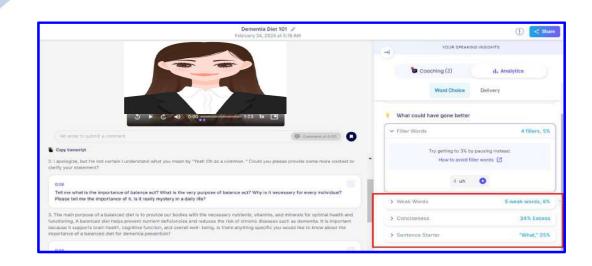


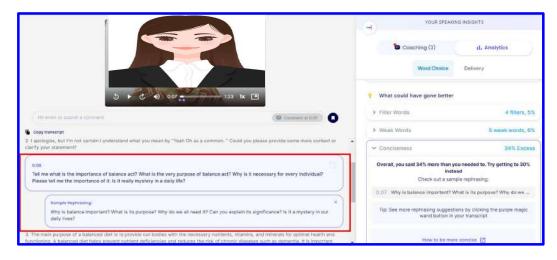
It will provide you with a Sample Question Bank. Edit them if needed and then Save Questions



• click on Start conversation to start the interview. Once Interview is done, it will provide you with the video and feedback along with analytics. That can be shared with others also. Transcript can be copied

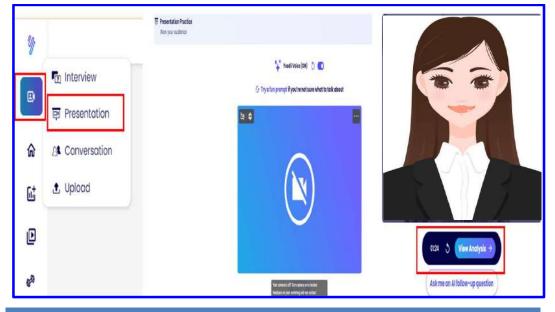


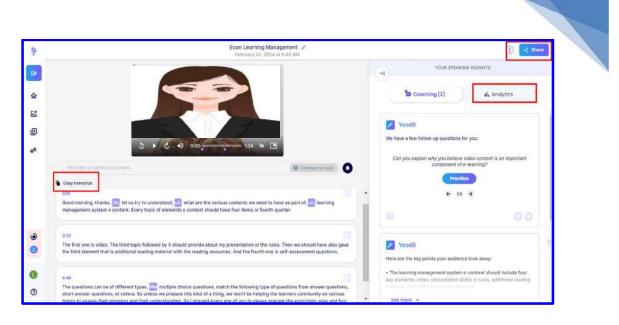


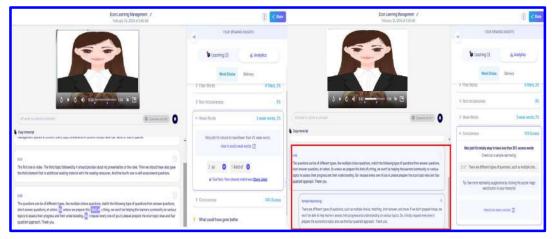


Presentation Practice. How to:

1







# Yoodli Library can give you a list of Activities.

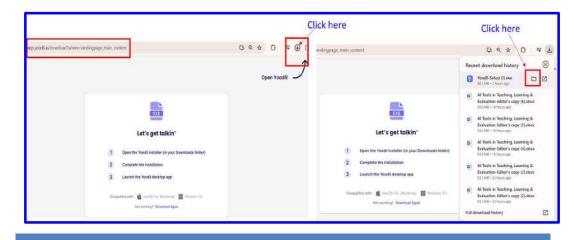
it.	Practice	My Yoodlis	Shared with me				(	Upload Search	(
ŵ	Home		Title	ų	Created	🖗 🛛 Туре 🛛 🗄	Total Time	🔶 🕺 🐇 Filler Words	↓ Pacing ↓
đ	Dashboard	P	Econ Learning Management		Feb 24	Presentation	1:24	3%	113
D	Library	y.	Untitled Speech		Feb 24	Presentation	0:49	7%	84
ra N	Exercises	- 19	Untitled Interview		Feb 24	Interview	1:22	0%	102
		-	Dementia Diet 101		Feb 24	Conversation	1:24	5%	107

#### Yoodli Dashboard - Live dashboard with Analytics

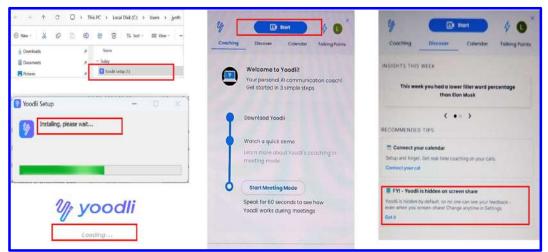
yoodli <	Show data from the last 30 days + by all +			February ;
ଳ Home	Filler Words	Pacing	Talk Time	Choose a focus
Dashboard	Filler Words () & HIDGET			- Target average - Daty averages
Library	Overall Average: 4.9%	RN		
Exercises	• Next Stop:	8%		
	If you need time to think, try slowing down and pausing instead.	4%	54TL 4.9	RDAY, FEB.34 + 3 YDCOLIS
	Most used filler words	25		а ж.з
		ax	Feb 24	

- Yoodli offers a desktop app that provides instant, private feedback on communication skills during online interactions working in hidden mode by itself. This AI-powered coaching tool analyzes speaking patterns to help users enhance their online presence and build communication confidence.
- Download the Yoodli Desktop App for Free. Steps to be followed to setup it:

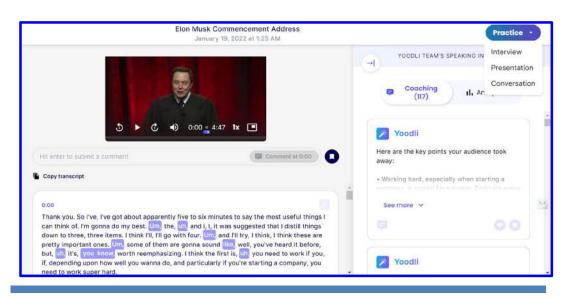




Open the Folder to see the Yoodli Installer downloaded. Double click on it to Install

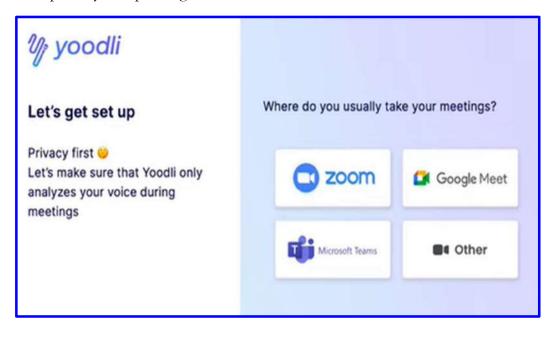


Click o	on Yoodli Icon in your Login Page, then it will display the following			
<b>Hi LMS</b>	, you're on your way to crushing your presentation 🎤	Sample reports		
0	Check out a demo vídeo	8	Elon Musi Commend	
0	Practice a sample conversation		Address	cement
0	Rote your speaking confidence	the second se	PACING	FILLER WORDS
0	See a sample analytics report . See Yoodil at work Analyse what some of the most electroned species? See Sample aports		209 wpm	5%
	see nooni or wark wayto war some or ine most andonea aposiers.		TOP KEY WORD	TOP WEAK WORD
0	Get set up meeting mode		think	50
0	Try meeting mode live	ſ	View Speec	h 🗹



AI TOOLS IN TEACHING, LEARNING & RESEARCH

Yoodli works invisibly with your online meetings, giving you private insights to improve your speaking.



# Subscription Details:

Yoodli offers both Free and Paid Plans. Choose a plan that suits your speaking goal.

🆞 yoodli	RESOURCES USE CA	SES FOR BUSINESS	PRICING ABI	Sign in Get Yoodil for free Talk to Sa
	Choc	Billed monthing	Billed annually SAVE 4	0%
	Free \$0 torever thee Get started (m looking around	Pro \$8 / month, billed annually Subscribe now / m ready to improve	RECOMMENDED Advanced \$20   month, billed annually Subscribe now For corporate professionals	Enterprise Let's talk Contact sales For coaches and businesses
	<ul> <li>Up to 5 Yoodis</li> <li>Practice, upload, and live Al coaching.</li> <li>No credit card required</li> </ul>	<ul> <li>✓ 10 Yoodis / week</li> <li>✓ Early access to new features</li> </ul>	<ul> <li>Unlimited Yoodis</li> <li>Your data is automatically excluded from Al training models</li> <li>Reimbursable by employer as a learning benefit</li> </ul>	<ul> <li>Custom branding/logo, custom content</li> <li>SSO (SAML), Advanced privacy, data retention</li> <li>Dedicated account manager</li> </ul>



## 3.1.5 Merlin

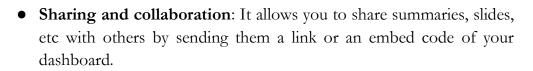
Merlin is an AI-powered tool primarily designed as a browser extension (for Chrome and similar browsers). It helps to create personalized presentations for various topics and purposes, such as education, business, marketing, and more based on your input. You can also use Merlin.ai to access and modify pre-made templates from a library of over 500 exercises and worksheets. It enhances your web experience by integrating the power of large language models (like ChatGPT) directly into websites and platforms.

#### Features:

- Website and PDF Summaries: Merlin can rapidly summarize any website article or PDF document, helping you quickly grasp the main points.
- AI Chat on Any Website: Ask Merlin questions related to the webpage you're viewing, getting instant AI-powered answers and insights.
- Content Writing and Rewriting: Merlin assists with tasks like:
  - Generating social media posts
  - Writing emails
  - Rephrasing sentences for clarity or different styles
- Search Enhancement: Merlin enriches Google and other search engine results with AI-generated summaries and information.
- Merlin works in conjunction with other popular tools like Google Docs, Gmail, etc. While initially focused on text, Merlin is steadily adding image generation capabilities.

#### **Functionality in Education:**

- Students
  - Quickly understand complex articles and research papers
  - ➢ Get help writing essays and reports.
  - Research with the aid of AI summaries and search enhancements.
- Teachers
  - ➢ Generate lesson plan ideas and summaries.
  - Create AI-powered writing and reading comprehension exercises.
  - Streamline feedback processes.



#### Benefits for Teaching, Learning, and Evaluation:

- **Teaching:** Use it to create interactive and engaging lessons and assignments for your students. It Saves time preparing, researching, and providing feedback.
- Learning: Improves reading comprehension and writing skills, making information gathering more efficient.
- **Evaluation:** Can potentially help create differentiated, AI-assisted assessments.

#### Source:

Merlin Chrome extension page:

https://chrome.google.com/webstore/detail/merlin-1-click-accessto/camppjleccjaphfdbohjdohecfnoikec

## Walkthrough:

#### Visit Merlin website:

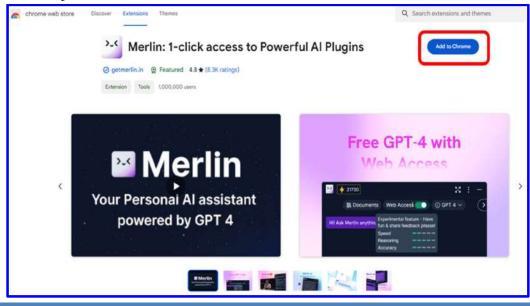


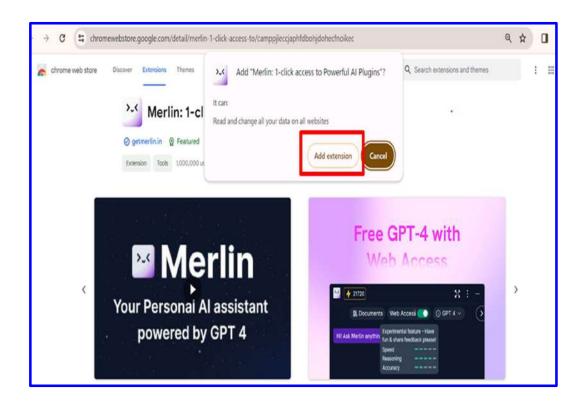
Install Merlin: Add Merlin extension to Chrome browser - by clicking on "Install from Chrome Web Store":

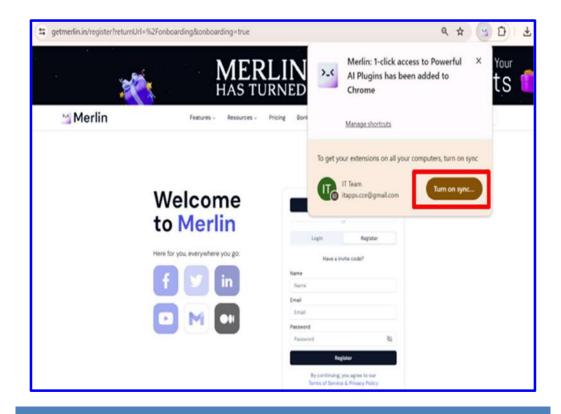
(https://chrome.google.com/webstore/detail/merlin-1-click-accessto/camppjleccjaphfdbohjdohecfnoikec)



Click on "**Add to Chrome**": Image of install button on the Chrome Web Store Opens in a new window







**To Activate:** click on "Continue with Google" or Register by clicking on "Register" and follow the steps

Features - Resources -	Pricing Bonkers Chat With	n Merlin	* Log in
Welcome to Merlin	Logn	Registor	
f Ӯ in	Name Name		
🖸 M 🚥	Emol		
	Password	×	
	Terms of Service & I the site is protected to	Yivecy Policy syleCAPTCHA	
	Welcome to Merlin	Welcome to Merina Here for you, everywhere you go:	Welcome to Merlin Here for you, everywhere you go:

Activate: When on a website or in a tool like Google Docs, press Cmd+M (Ctrl+M for Windows) to open the Merlin sidebar.

🕍 Merlin	Features - Resources -	Pricing Bonkers	Chat With Merlin	* 0
	Step 1 out of 3			
	To Open Merlin			
	Press Ctrl + M			

Image of website with the Merlin sidebar openOpens in a new window



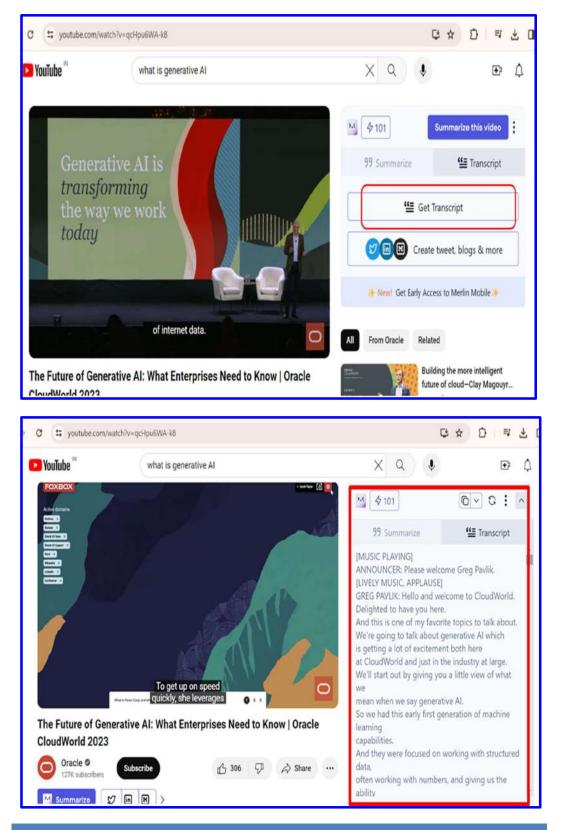
Merlin gives summarisation of the youtube video running. It appears on the side bar of YouTube.

C S youtube.com/w	atch?v=pWNAtUwnBS8	(	다 수 한 티 호 I 🕲 :
▶ YouTube <sup>™</sup>	what is generative Al	XQV	e 4 🕡
		M \$ 102	: ^
		99 Summarize	ध Transcript
	Generative	The Power of Generative AI: Boosting Productivity and Solving Business Problems	
		<ul> <li>Generative AI is an artific technology that can create the contract of the contra</li></ul>	
		+ Generative AJ models bo Summarize	
What is Generative	Generative AI is an artificial intelligence technology	Create	e tweet, blogs & more Open Mertin

To get the YoutTube video summary, click on summarise this video and the summary is given below:

C Syoutube.com/wa	tch?v=pWNAtUwnBS8	C ±	0 4700
🕨 YouTube 🕅	what is generative Al	XQV	œ û ()
GPU	Parallel processing power- and refinements in training data	The Power of Generative AI: Boos Productivity and Solving Business Chat with this summary Excer • Generative AI is an artificial intelligence technology that can create new content. • Generative AI models boost	Transcript
What is Generative	Al? Subscribe	productivity     Generative AI refers to AI systems,     chatbots, that can write human-like     conversational text.	00.00
Summarize		Comment Key Points	

Can get the Transcript of the YouTube video by clicking on "Transcript" and then click "Get Transcript" button:



# Merlin suggests ways to improve an email you're writing.

Prompt Write an email introducing myself.
Subject: Introduction: New Learning Management System Administrator
Dear [Recipient's Name],
I hope this email finds you well. My name is [Your Name], and I am excited to introduce myself as the new Learning Management System (LMS) Administrator. I am reaching out to you to share a little bit about my background and my enthusiasm for working with you and the team.
With over [X years] of experience in educational technology and administration, I have had the opportunity to work with various LMS platforms and implement effective strategies to enhance the learning experience for both students and educators. My passion for technology-driven education and commitment to optimizing the LMS align perfectly with the goals of our organization.
Reminder regarding submission of LMS Topic Allotment as per 🛷 🧿
Contact No: 9849871123, 98496 68868
5 ♂ Sans Serif • T • B I U A • ≣ • \⊟ •
Send - A 🛛 🖘 🙂 🛆 🖬 🔓 📰 🗚 🔟

#### Subscription Details:

Merlin offers both free and paid plans. The free plan has some usage limits.

		MERLIN HAS TURNED	1 🔮	<sup>Claim Your</sup> Gifts		
🕍 Merlin	Features -	Resources - Pricing Bonke	rs Chat With Merlin Ad	ld Merlin Extension 🔹 Log in		
	Pricing Smart AI for everyone: Quality Meets Affordability					
Monthly Yearly Save upta 60%						
	Flat 25% Now Starter Plan 6000 queries 519 /month \$14.25/month (Biled annuelly) Go Starter Plan	Pac 60% Nov Boost Plan Unlimited queries 549/month \$19.6/month (Biled annually) Grab 60% off now	Flat 2014 Now Elite Plan Unlimited queries Sit0 /month \$47.6/month (Billed annually) Go Elite Plan	Enterprise Plan Pay as you go \$50 setup fee for Enterprise Plan entire team (Billed annually) Learn More		



Feature	ChatGPT	Gemini	Copilot
Primary Function	Generate text, translate languages, write different kinds of creative content	Generate text, translate languages, answer questions, write different kinds of creative content	Generate code, translate languages, suggest code completions and improvements
Strengths	Strengths Extensive API access, strong performance in benchmarks, free option for experimentation		Deep integration with Microsoft 365, personalized responses using Microsoft Graph
Weaknesses	Recent leadership issues may affect perception, lacks transparency in source data	Limited initial availability of its most capable version, lower familiarity among public and developers	Reliance on the Microsoft ecosystem limits appeal to users outside of it
Pricing	Freemium (limited use), Paid plans start at \$20/month	Freemium (limited use), Paid plans start at \$19.99/month	Freemium (limited use), Paid plans start at \$10/month
Text Generation Styles	Wide variety, including informative,	Wide variety, including informative,	Focused on technical writing and code

# Comparison of AI Language Tools: ChatGPT, Gemini, and Copilot

		creative, funny, etc.	creative, humorous, etc.	comments
	Code Generation	Limited, mostly focused on code snippets and small functions	Can generate entire scripts and functions	Deep integration with specific programming languages and IDEs
	Community	Active community forum and Discord server	Growing community, mostly focused on research and early adopters	Smaller community, mainly focused on developers using Microsoft products
	Additional Notes	Known for strong performance in language tasks	Designed to be multimodal, offering different sizes for various applications	Offers personalized responses and deep integration with Microsoft products

#### **Conclusion:**

While AI language tools like ChatGPT, Gemini, and Copilot offer exciting possibilities for teaching, learning, and evaluation, it is crucial to remember that they are but one piece of the educational puzzle. Their true value lies not in replacing human interaction or critical thinking, but in augmenting them. By using these tools thoughtfully and ethically, we can create a more engaging, personalized, and efficient learning experience for all, where technology empowers both educators and learners, fostering a deeper understanding and a love for knowledge. Remember, the future of education is not about machines teaching machines; it is about humans and machines working together to unlock the full potential of every learner.

# CHAPTER – 4 AI IN EVALUATION





# CHAPTER-4 AI IN EVALUTION

#### 4.1 AI Tools in Evaluation

Envision a world where test creation is effortless, assessments are created from a single idea. Educators step into a new era beyond traditional methods, embracing AI-powered innovation for the generation of assessments that provide data-driven insights. With AI, educators will generate dynamic, personalized assessments aligned with their curriculum. This is the future of assessment, where technology empowers you to unlock student potential to pinpoint student progress and areas for improvement. Let's dive into the AI-powered tools like "Quiz GecKo", "Conker", "Survey Sparrow", "Survey Monkey", "Lime Survey", and "Typeset" in this chapter and embrace the power of AI both for assessment as well as for conducting surveys.

#### 4.1.1 Conker

Conker is an AI-powered platform that simplifies the creation of engaging quizzes and assessments. It streamlines assessment design, provides insights into student progress, and allows for integration with various learning tools.

#### Features and Functionality:

- AI-Powered Question Generation: Conker analyses existing content (text, PDFs, videos) to generate various question types (multiple-choice, short-answer, etc.).
- **Customization and Authoring:** Review, edit AI-generated questions, add new questions, and tailor assessments to precise learning objectives in line with curriculum.
- Accessibility: Built-in read-aloud features and options to support students with diverse needs.
- LMS Integration: Embed Conker quizzes into popular learning management systems.
- Analytics: Track student performance, identify areas of strength and weakness, and gain data-driven insights.

#### Benefits in Teaching, Learning, and Evaluation:

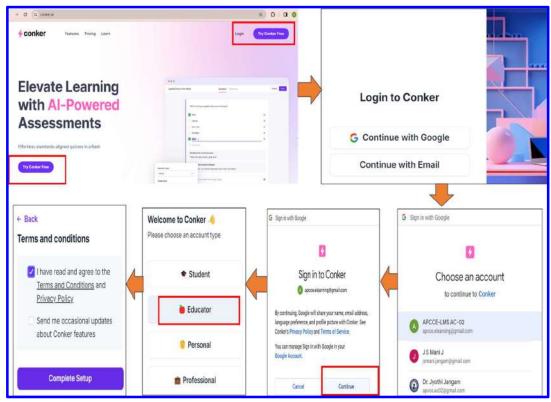
- **Time Saving:** Automates quiz creation, freeing up valuable teacher time.
- **Personalized Learning:** Tailor assessments to specific student needs and learning goals.
- **Data-Driven Instruction:** Analytics inform targeted instruction and interventions.
- **Student Engagement:** Interactive quizzes with diverse question types promote active learning.

#### Source:

https://www.conker.ai

#### Walk-Through:

Visit <u>https://www.conker.ai</u> to sign-up or to login. The sign-up process is shown in the screenshot below:



**Creating Quiz:** click "Create" on the left panel and enter your prompt in the highlighted text box and click "Next".

<b>∻</b> conker	Home / Create	🔸 Upgrade to Pro 🛛 🙆
	1 Enter topic (2) Customize (3) Generate	
✤ Create		
Q Explore	Create a Conker quiz 🤆	
E Activity	Enter a learning topic to get started	
(3/1)	Next	
al-	Or try an example	
Got a quiz code? Join a quiz by entering	English Literature Animal Farm Biology Plant Cell Structure	
its unique quiz code		
Join a quiz	History The Cold War Physics Newton's Laws of Motion	() Help

Now click on the "Search settings" link to define the settings as mentioned below:

	<b>reate a Conker quiz </b> er a learning topic to get sta			
DDL Commands in SQL		90	×	lext
			Search s	etting
Use 'DDL Commands in		2		
Chonon exchange	K Dio	iour		
	Search settings			×
	Grade level			
	High School			~
	Curriculum Language			
	English (US)			~
		ettings		

Providing the Content to Create Quiz: Choose the question type, number of questions, grade level, language output, and add reading material by pasting the content. After that, click the "Generate" button to create the quiz.

← DDL Commands in SQL	Enter topic 2	Customize (3) Generate	e e e e e e e e e e e e e e e e e e e	Generate
	Question type	Number of questions		1
	Multiple Choice 🗸	5	•	
	Grade level	Language output		
	Higher Education V	English (US)	~	
	This will be presented to the recipient alongside DROP VIEW student_grades; TRUNCATE TABLE Used to delete all rows from a table quict		-	),
	Example TRUNCATE TABLE sales_data; RENAME			
	Used to change the name of a database Example: RENAME TABLE customers TO clients;	object.		
	Word count limits may vary by language. Stay wi Min. 100 / Max 1,030 words	thin suggested limits for best results	Current 167	() Help

AI-generated questions are displayed in the middle of the page, and have been created from the reading material shown on the left side of the page, highlighted in red. Answers to the quiz questions are marked as highlighted in red colour.

* DDL Commands in SQL Ø Material from Question are generated by AI	1S Questions Responses	Preview     Share
What is DDL?	1. What does DDL stand for? Select the correct answer	+
DDL stands for Data Definition Language. DDL commands are used to define, modify, and	O Data Definition Language	
delete the structure of database objects such as tables, views, indexes, and constraints. DDL changes are normally permanent and	Data Detail Language     Questions     Database Definition Language	
affect all users who have access to the database.	Data Design Language	
Key DDL Commands	Validate answer with Google search	11
Used to create new database objects.	2. What is the purpose of the CREATE command in DDL?	
Examples: CREATE TABLE students (student_id INT, name VARCHAR(50), major VARCHAR(30));	Select the correct answer	
CREATE INDEX idx_name ON students (name); CREATE VIEW student_grades AS SELECT	To rename database objects     To rename database objects	
student èl mada COM madee	<ul> <li>To modify existing objects</li> <li>To create new database objects</li> </ul>	() Help

To preview the quiz questions, click on "Preview" in the screenshot above. After answering a question, click the "Next" button until you have answered all the quiz questions. Finally, click the "Exit Preview" button to leave the preview.

DDL Commands in SQL	Exit preview
•• DDL Commands in SQL	
What is DDL?	<ul> <li>49</li> <li>1. What does DDL stand for?</li> </ul>
DDL stands for Data Definition Language. DDL commands are used to define, modify, and delete the structure of database objects such as tables, views, indexes, and constraints.	Select the correct answer
DDL changes are normally permanent and affect all users who have access to the database.	© Database Definition Language Next will be enable upon
Key DDL Commands	Data Design Language     answering the Question
CREATE	•   Nec -= ]
Used to create new database objects. Examples: CDEATE TABLE students (student id INT name •	Next

To share or embed the quiz, click on "Share" in the screenshot above. A Share window will appear with the link. Click on "Copy link" to copy the shareable link. You can also share the quiz by sending a QR code or embedding the link in a web page or printing the Question sheet/Answer sheet, or integrating it with Google Forms.

Share this You have 5 for fre		ing this month	×	
https://www	.joinconker.cor	n/vtrwxc	Copy link	
Share via				
< >	3S	4		To share the Quiz with Google Forms
Embed	QR	Print	Forms	
← QR code	~	< Print	101	×
	<b>観</b>		Print answer sheet	
	邇		Print question sheet	
Save image				

To join the quiz, enter the quiz code given by the host on the "Join Quiz" page below:

Enter a quiz code to join
Join quiz

AI TOOLS IN TEACHING, LEARNING & RESEARCH

After taking the quiz, you will see your score, along with options to retake the quiz and view the correct and incorrect answers, displayed below.

DL	Commands in SQL	
ou s	cored: 80%	Try again
~	What does DDL stand for?	
0	Data Definition Language	~
(1)	Data Detail Language	
٢	Database Definition Language	
۲	Data Design Language	
F	eedback	
~	'ell done, that's correct	
×	What is the purpose of the CREATE command in DDL?	

You can view analytics dashboard in home page of conker as show here:

Activity				+ New
Quiz name	Created	Туре	Participants	
DDL Commands in SQL	Feb 24	Source Material	0	Share
	Quiz name	Quiz name Created DDL Commands in SQL Feb 24	Quiz name         Created         Type           DDL Commands in SQL         Feb 24         Source Material	Quiz name         Created         Type         Participants           DDL Commands in SQL         Feb 24         Source Material         0

## **Subscription Details**

It offers free and paid plans as monthly or annual payment plans. The subscription details of the plans are as follows:

	Pay monthly	Pay annually (Save 16%)	
Free	Basic	Pro	Schools
Start Conkerin*	Conker on	Conker forever	Conker for all
Free	\$3.99/month	\$5.99/month	Let's chat!
<ul> <li>Share 5 quizzes</li> </ul>	✓ Share 10 quizzes	✓ Share unlimited quizzes	<ul> <li>Everything in Pro tier</li> </ul>
✓ 50 responses	✓ 100 responses	<ul> <li>Unlimited responses</li> </ul>	<ul> <li>Integrate with Canvas</li> </ul>
<ul> <li>All question types</li> </ul>	<ul> <li>All question types</li> </ul>	<ul> <li>All question types</li> </ul>	<ul> <li>Admin features</li> </ul>
<ul> <li>10 question limit</li> </ul>	<ul> <li>10 question limit</li> </ul>	<ul> <li>20 question limit</li> </ul>	
<ul> <li>Up to 1200 words in reading</li> </ul>		<ul> <li>Up to 5000 words in reading</li> </ul>	



# 4.1.2 Survey Sparrow

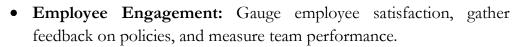
It is a powerful online survey platform/application designed to help individuals and organizations to create, distribute, and analyse surveys with ease. It provides user-friendly interface, diverse question types, and AIpowered analytics, making it suitable for various survey needs. With its AIpowered features, it provides enhanced survey experience for both creators and respondents.

# Features:

- User-friendly Interface: Drag-and-drop functionality allows for effortless survey creation without coding knowledge.
- **Question Types**: Choose from multiple question types like multiple choice, open-ended, Likert scale, star ratings, and more.
- **Customisation:** Customize the look and feel of your surveys with your logo, colours, and fonts for a consistent brand experience.
- Logic Branching: Create dynamic surveys with conditional questions based on respondents' previous answers.
- Multimedia: Enhance engagement with images, videos, and GIFs.
- Sharing Options: Share surveys via email, social media, embed them on websites, or use QR codes.
- Multilingual Support: Reach a global audience with surveys in over 40 languages.
- **Real-time Analytics:** Track response progress and analyze data as it comes in.
- Advanced Reporting: Generate insightful reports with visuals and charts for easy data interpretation.
- **AI-powered Insights:** Gain deeper understanding with sentiment analysis and word clouds.
- **Collaboration Tools:** Share and discuss survey data with team members within the platform.
- Additional Features: Recurring surveys, payment integration, API access, and customer support.

# **Applications:**

• Market Research: Collect customer feedback, conduct product research, and understand market trends.



- **Customer Satisfaction Surveys:** Collect feedback on products, services, and customer experience.
- **Event Feedback:** Measure event effectiveness and gather attendee feedback.
- Academic Research: Conduct online surveys for research projects and data collection.
- Lead Generation: Capture leads and collect valuable contact information.

## Limitations:

- Free plan limitations: The free plan has limited features and survey volume such as only 10 questions are allowed with 100 responses in a month.
- Learning curve: While user-friendly, complex surveys might require some initial learning.
- **Customizability limitations:** Advanced design customization options might be limited compared to dedicated design tools.

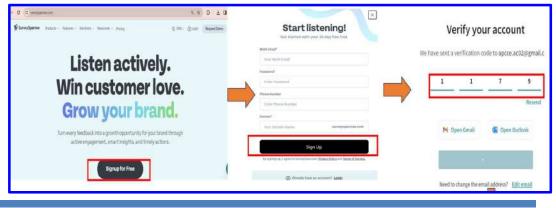
#### Source:

## https://surveysparrow.com/

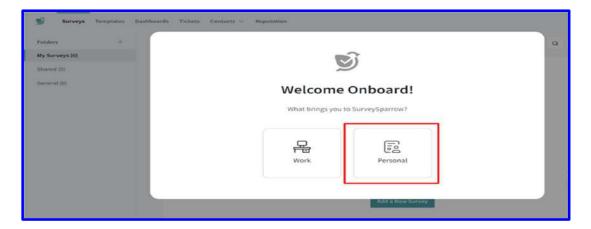
## Walkthrough:

## **Creating a Survey:**

Visit the SurveySparrow website <u>https://surveysparrow.com/</u> and do sign up by following the steps given below:



Then, the Welcome page will be loaded. There, you can select "Personal".



# To create a Quiz Manually:

Start a new survey and choose between building your own + New Blank Survey or using the AI-powered question generator.

Surveys Templates Dash	Build your first survey	×
My Surveys (0)	Q Search for Templates, Use Cases and everything else or	- New Blank Survey
Shared (0)	Popular Templates	
German (12)	Extremer Satisfaction Survey         Cuttomer Satisfaction Survey         Cuttomer Satisfaction Survey         Cuttomer Satisfaction Survey             Employee Engagement Survey	

Enter Survey title and then click on "Create Survey" button:

2. 3.		CREATE A NEW SURVEY Survey Title DBMS Quiz	
0		Change Survey Type	
·***		Classic Form Folder	
0		My Surveys	v
1			✓ Create Survey

Add a question by clicking on the **+ Add a Question** button on the left panel

DBMS Quiz		IGRATE > O SHARE > O RESULTS	Saved Preview §
Add a question	Ø	EDIT VIEW	
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e.			
®A.			
0			

Enter the question and click on the "Wing it" icon (stars) next to the question to rephrase or expand it. Then, select "Wing choices" to automatically generate options for the question. Make "Stacked" as "On" to display the options vertically as depicted in the figure below:

@ '	DBMS Quiz	O SUNG > Q INTEGNATE > Q HUMB > Q HEMUTS	laved Preview §
1	🖉 😂 - Matrices Odel investigat Selective correct assess Versite vigits	click here to rephrase / expand the question	a
8 0	+ Add a question	What does DBMS stand for? Select the correct answer from the options provided.     Add description to your question.	
ð <sub>A</sub>		Data Base Hanagement System	0 0
0		Data flaviours Management System	6 ( <b>0</b> )
		Digital Business Management Boltware	0.0
25		Batilities Monitoring System	0.0
0		Distributed Database Management System	c o
		to get the auto-generated options f	or the Question
			Add Hert Question
		Firstholing OFF Constant Since allows duties OFF Constant OFF Consta	× H. freed a

Check the "required" box to make answering the question mandatory, assign scores to each option by clicking on "Score," and finally, click on the "Add Next Question" button, as indicated in the screenshot below.

O II: What then called a set for Selections	arrect proposit from the optim	EDIT VICI	
+ Add aquestion	Ø	1. What does DBMS stand for? Select the correct answer from the options provided.	
		Add description to your question.	
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		loe 10 💲	
		Digital Business Management Software	0 0
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		Many LET 2	
		Distributed Database Management System	0.0
		tor tr E	
		Audites Chine	
		click here to add score to each option 😤 wing the	The Answer (
			-

Adding a slider-type question, as demonstrated below, allows participants to answer by dragging the slider to the desired position.

<u></u>	DBMS Quiz	BUILD > © INTEGRATE > © SHARE > © RESULTS	Savyd Preview §
1	Constant 1995 (constant for Send the constantion the left)     Constant 1995 (constant for the constant for the left)	5017 view	
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			93

Including a matrix-type question, as illustrated below:

c	BUILD > INTEGRATE > (	SHARE >	O RESUL	.T5				🖾 Saved	Previe
( Q. Search Question Typ	§				)				×
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Frequently Used									
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_A Consent/Agreem	nt	multiple answe				Ð	Signature		
🗄 Heatmap	2	<b>ਿ</b> Ph	oto Capture			203	Group Rating		

When you click on "Matrix" in the screenshot above, it lets you add a matrix-type question with rows and columns. Each row contains a question, and the columns provide options to be selected as answers. This setup allows participants to respond by choosing the radio button in one column for each question.

Here, the default setting allows space for only two questions in a matrix-type question.

To add more questions, click on the highlighted "Insert" button and select "Insert row." The same applies to columns, as it initially offers only three columns for options.

	DBMS Quiz	Oau	RLD > OINTEGRATE > O	SHARE > Q RESULTS		Steel Provine 1
1	• "We have IDM must for being the second asset from the split			abat were		Ť
6	O == "man may commonly on commonly by 20.1	3. For each stateme	nt below, indicate your lev	vel of agreement:	×.	000
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						9
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To see what a matrix-type question and its options look like, click on the "View" option in the screenshot above.

Question 3 * For each statement below, indicate your level of agreement:									
	Strongly Agree	Agree	Partially Agree	Disagree					
If a user mistakenly deletes important data, there's usually no way to get it back.	0	0	۲	0					
Having a few backup copies of your database scattered in different places is sufficient protection against data loss.	0	0	0	۲					
It doesn't matter how a database is designed as long as you can get the information you need out of it.	0	0	0	۲					

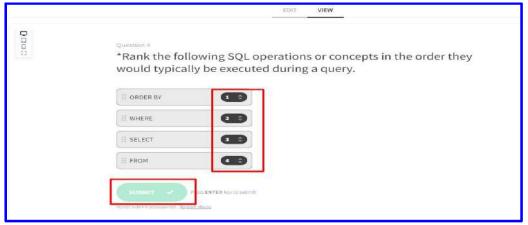
To include "Rank Order" type questions, select "Rank Order" in the screenshot below:

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A Consent/Agreement	characteristics within weather of theory productions. Figs. (theory)/g conservations? It productions as	El Signature	
[2] Meatricap	A super telepole, effectivents	586 Group Bating	

Enter the Rank Order type question and click on "Wing Choices" to get appropriate options for the question, as discussed earlier for multiple-choice questions. Make them required and stacked, and turn on "randomize" to shuffle the options during the test.

				EDIT	View				
4.	Rank the following SQ query.	L operations or	oncepts in the e	order they wou	ld typically b	e executed during a	• *		
	Add description to you	ur question.							
0	SELECT	£							
0	WHERE	Ð							
0	FROM	10							
0	ORDER BY								
0	Add New Choice								
									🦕 Pipe Answer 🕥
-94	- Options Logic	Bulk Choices							Add Nest Question
-		Bulk Choices						Meighfran)	Add Next Question
8.24	D ON								

To see how the question appears, click on "View". Where, participants can specify the order for each option and then submit the answer.



Include a "Yes/No" type question as displayed in the screenshot and set up skip logic based on the submitted answer. If the answer is "No," it should direct to the "end"; otherwise, it should show the next question.

IC Versional and the constant second as service from the age of the provided of the second seco	5. Would you like to try more questions on Basics of	DBMS?			
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	1. · · · · ·		• @		= 0
	The Ample Lo				~

Implementing Display Logic for the Questions: If the answer to the Yes/No question (Question No. 5) is "Yes," then show Question No. 6.

9 So "Wat does 0.045 stand for "Select the correct amount from the cost of an another internation" on provider.	6. Which of these is NOT a key advantage of using a DBMS?	000
🕽 🚔 "How many connected are supported by 5067	Add description to your question.	
🕽 🗮 🖓 for soch attantion beson, indicato your avel attagetanten.	Data redundancy control Scole: 10.0	. 8.0
• All the following SQL operations or success in the order they we all typically the rescaled during as suc	Enhanced data security Score, 100	
<ul> <li>Providy will be bety more continue on these of 0045?</li> <li>Which of these is 100 to key accuracy of using a DBHS!</li> </ul>	Easy file sharing without structure Scene: 100	
+ Add a question	Dela consistency Scare 1 au 😩	• • •
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		<sup>1</sup> <sup>↓</sup> WirgChoices? <sup>1</sup> , ⊭ipo≾enwer
	Contraction of the second seco	🗹 Score 🛛 Required 🛛 Add West Question
	DISPLAYLOGIC *	0

To create a quiz / survey with AI Magic:

1) **Start a new Survey:** Click "New Survey" as shown in the figure below:

				X You	ur <u>Trial</u> expires in 14 days	s. Upgrade.nowl				0 8
🗐 Surveys	Templates	Dashboards	Tickets	Contacts $\checkmark$ Reputation $\checkmark$				🕄 Get in tour	ch 🚺 Vognde 🔞 (	0
Folders	+		≡ My Si	urveys						unity
My Surveys (1)										
Shared (0) General (0)			D	<b>Quiz-1</b> In My Surveys. Last Modified: Sm ago		5 Questions	0 <u>Besponses</u>	 Comoletion Rute		

Then it will open a Create survey page, there click on "Let AI do the magic!", as shown below:

		Now Triat express to 14 days, therease intent	N/1
Surveys Tam	Let Ai do the magic! Create surveys in a pity with its	Start a Classic Survey Used for crusting surveys with complex quantiles types.	× © ()
My Surveys (1)	Or, build your own		
Stored (0) Genuesi III	Classic Survey	3. Private lands Taxa Taxatay gray and with Taxa	(111)
	Q Chat Survey	Monorgathioans of ter product	
	Customer Experience Survey		
	Offling Survey		
	ADA, 300 Assessments Here		
		Start Blank - Cal Browse Classic Templates	

2) Add a pointed prompt for your requirement to generate relevant questions. Once you add a prompt, click the "Generate Questions" button.

	App . Your trial expires in 24 days. Upgrade simul	• O
Surveys Tem	њ. Х	
Folders	Create a survey to	4- New Servey
Му Зигикуз (3)	Create a survey to	
Shared (0) General (2)	Create a quiz on Data Manipulation Language Commands to test the knowledge of students.	100
Softward Ser	knowledge of students.	
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	Second Second	
	Sample prompts	
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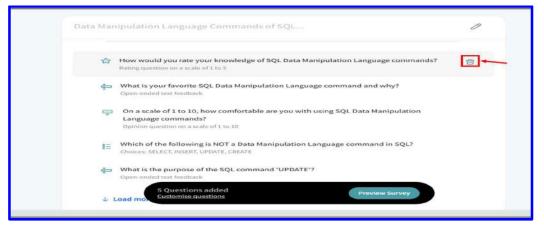
3) You'll see the list of AI generated questions that are readily added to create a quiz / survey.

*	Data Manipulation Language Commands of SQL	O	
	You may ask		
	How would you rate your knowledge of SQL Data Manipulation Language commands? Rating spectime on a scale of Lips 5		
	What is your favorite SQL Data Manipulation Language command and why?     Dpms-ended test Neuthack		
	On a scale of 1 to 10, how comfortable are you with using SQL Data Manipulation Language commands7 Optimine question on a value of 1 to 10		
	Which of the following is NOT a Data Manipulation Language command in SQ.7.		
	Customise questions		

If you would like to look for more questions, scroll down and click Load more questions.

Data Manipulation Language Commands of SQL	0
What is your favorite SQL Data Manipulation Language command and why? Open ended text feedback	
On a scale of 1 to 10, hew comfortable are you with using SQL Data Manipulation Language commands? Optime operation as a sold are 1 to 10	
Which of the following is NOT a Data Manipulation Language command in SQL7 Choices SELECT, HSERI, UPDATE/CREATE	
What is the purpose of the SQL command 'UPDATE'?     Option emitted time feasibilities.	
Load more questions	
5 Questions added	
	<ul> <li>What is your favorities SQL Data Manipulation Language command and why? Generative the theothesis         <ul> <li>More action of the holicon bar womfore table are you with using SQL Data Manipulation Language command. In SQL Data Manipulation Language command in SQL Data Manipulation Lang</li></ul></li></ul>

4) To remove a question, hover over the question and click the delete icon.

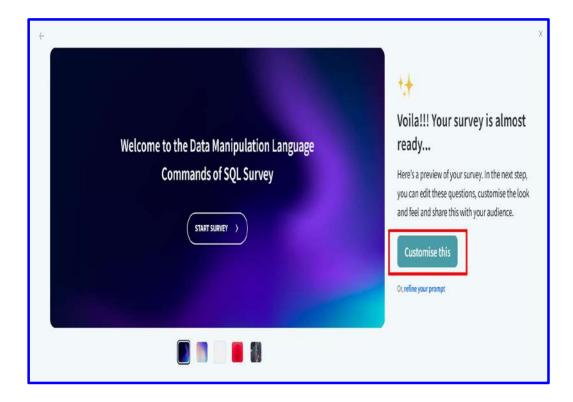


Once you're all set with the questions, click **Preview Survey** to get a glimpse of your quiz / survey.

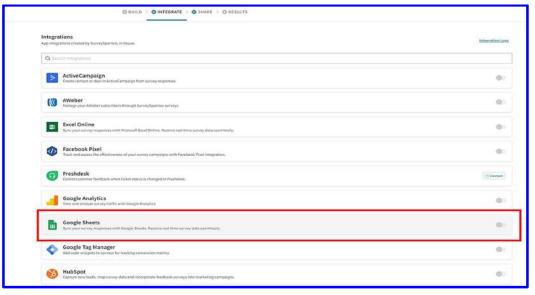
Y	ou may ask	
습	How would you rate your knowledge of SQL Data Manipulation Language commands? Rating question on a scale of 1 to 5	
₽	What is your favorite SQL Data Manipulation Language command and why? Open-ended text feedback	
-	On a scale of 1 to 10, how comfortable are you with using SQL Data Manipulation Language commands? Opinion question on a scale of 1 to 10	
≋≡	Which of the following is NOT a Data Manipulation Language command in SQL? Choices: SELECT, INSERT, UPDATE, CREATE	
ф	What if 5 Questions added Customise questions Preview Survey	

5) Customise the Design of the Quiz/ Survey: You can instantly switch between readily available themes highlighted to preview the quiz / survey design and Click Customise to get into the survey builder with the added questions and design in the above screenshot.

. <del>(</del>	x
Welcome to the Data Manipulation Language Commands of SQL Survey	Voila!!! Your survey is almost ready Here's a preview of your survey. In the next step, you can edit these questions, customise the look and feel and share this with your audience. Customise this Or, refine your prompt



Integrate the Quiz with other tools like Google Sheets, Google Analytics, etc. as shown below:



To grant access permission, enter your Gmail ID and proceed. This will open a page with Google Sheets where you can enter the details and save them.

💼 👌 авис Quíz	© BULLO > © INTEGRATE > 0 SHARE > 0 KESULTS
Integrations respire your survey with other apps	Coacle Shorts
diff Workflows Configure your event travel workflow	Spire your survey responses with Google Sheets. Receive real-Gime survey data soundersdy.
Webhooks Send abta from your survey to the esti	noturi Ernote-seu-Seiet
API Seist Transactional Lovreps with Shar	esunay ten. EBNS Quiz EVents did Regionals
	By Serial above Serial account
Can't find the integration you're looking Let us know here	ter?

## **Distribution:**

Choose how you want to share your survey – via a shareable link, email, embedding on a website, QR code, and more.



To share the quiz or survey, click on "Share," copy the URL link, and then share it.

DBMS Quiz	● BUILD > ● INTEGRATE > ● SHARE > ● RESULTS
	How would you like to survey people?
	https://sprw.io/stt.cBeeSd2LpBHJdDp8bSwwN
	Looking for the full URL? <u>Click here</u> to copy

As a participant, paste the link provided to you and then take the quiz as shown below:

O A https://jsmsurvey surveysparrow.com/s/DBMS-Quiz/tt-cBee5d2LpBHJdDp8bSvvwN	ŝ	() () () () () () () () () () () () () (
EUMS-admin login		>> 🗋 Other Bookmarks
Question 1		
*What does DBMS stand for? Select the correct answer from the options provided.		
Data Base Management System		
Data Business Management System		
Digital Business Management Software		
Database Monitoring System		
Distributed Database Management System	- Wilds	wa
	Surv	eySparrow ( ^ ) ( ~ )

# **Analyzing Results:**

• Monitor responses that come in real-time, generate reports, and gain insights from data. As responses come in, view detailed reports and analytics dashboards. Utilize filters to examine specific segments of your data. Take advantage of sentiment analysis for open-ended responses.



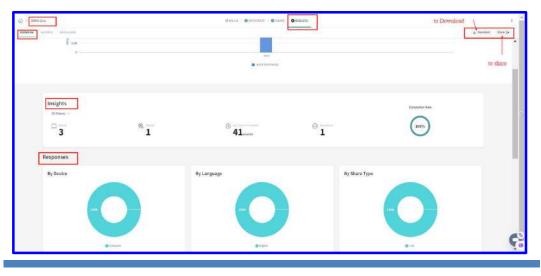
• The following figure displays the quiz with 6 questions and 1 response with a completion rate at 100%.

🗳 Surveys Templates Di	shboards Tickets Contacts ~ Reputation ~			🛱 Get in touch 🛛 Vacania 🔞 🕥 🌑
Folders + My Surveys (1)	🗏 My Surveys			Q 🛛 🖓 🛛 + New Sarrey
Shared (0) General (0)	DBMS Quiz Intry, Soney, Lust Hod Fed Limago	6 Questions	l 100.00% Hesponses Completion Ra	

When clicked on three dots highlighted in the figure below, the following options are popped up. Now click on "Results" to view the reports:



Click on "Results" to see the results overview that can be downloaded or shared by clicking on the respective buttons at the top right corner of the report.



Click on "Reports" to see the report that can be downloaded or shared by clicking on the respective buttons at the top right corner of the report.

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outonitive REPORTS HEAPORTS		(é, Dannford) Starv ()
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	Valted   Valted	۵.
	41s 1 100.00%	
	Page 24	SurveySperrow

Clicking on the three dots (...) next to "Detailed Report" in the left panel will provide you with the question-wise analysis report as shown below.

□ > DRMS Quar	O BUILD >	O INTEGRATE > O SHAN		
orienten etronis accorden				
To Edit the report Copy the link and Share the results document	Default : Default : Gebre the data being st dras and uncover integers worker 3 (*) Arg. time to Compute 41s Completion time 1000.000	rursuwy mapones, Gaina bo harfunther planning, @		v V V V Spurrow
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# Subscription Details:

It offers both free and paid subscription plans. Paid subscription plan details are given below:

For Individuals	Monthly Yearly	For Teams Footable	Guarterly Westy	Enterprise Got a custom requirement?
Basic ₹599 Per marth - Billet yearly	starter ₹1,499 Permanth Bildetyer/y	Bushness ₹4,499 Par numh - Silled yearly	Professional ₹19,999 Per receth - Billed yearly	Maximize your survey potential with mattern limit, caustorn plugies and much more.
2,000 responses/yr v v 1540 then v 30,000 Contacts v 5chodule sorveys v Bee all Sealarts	15.000 Helponeux (m 🤟	b6,000 response (yr S fultitivers 200,000 Contacts Sarwy branting Sarwy branting Sarwy branting Sarwy branting Sarwy branting	<ul> <li>J00.000 responses /p<sup>i</sup></li> <li>✓ 5 Full Deen:</li> <li>✓ 200,000 Contaction</li> <li>✓ 200,000 Contaction</li> <li>✓ Contern SMTP</li> <li>✓ Terc/Fulling authentication</li> <li>✓ Insta Englishers.</li> </ul>	Subbal theothing     Custom data senter     Single dign On (\$550)     Becall features
Try for free	Try for free	Try for free	Try for free	Contact us

## 4.1.3 SurveyMonkey

SurveyMonkey is a powerful and popular online survey platform that offers a wider range of features and customization options than Google Forms. It is used by businesses, researchers, and individuals to gather feedback, conduct market research, and create a variety of surveys and forms.

## Features:

• Robust Question Types: Offers standard question types (multiple choice, text boxes, etc.) plus advanced ones like ranking, image choice, and matrix/rating scales.

# **Types of Survey Questions**

Survey Monkey offers different question types, including:

• Multiple Choice: Respondents choose one answer from a list.

* 1. How would you rate your experi	ence with our product?
O Very satisfied	<ul> <li>Dissatisfied</li> </ul>
○ Satisfied	O Very dissatisfied
O Neither agree nor disagree	



• Rating Scale: Rate items on a scale (e.g., 1 to 5 stars).

\* 2. How likely is it that you would recommend this company to a friend or colleague?
 NOT AT ALL LIKELY
 0
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10

• Ranking: Prioritize items in order.

	ik the following shows in order of preference—1 being your favorite and 5 being your favorite.
# (	The office
8 (	Parks and Recreation
H (	Arrested Development
# (	Orange is the New Black
H (	New Girl

• Demographic: Collect information about age, gender, etc.





• Open-Ended: Allows free-form text responses.



## Matrix: Group related questions into a matrix format.

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
The interaction with the sales staff	0	0	0	0	0
Your experience at the register	0	0	0	0	0
The organization of the store	0	0	0	0	0
The wait for the fitting room	0	0	0	0	0
The products offered in the store	0	0	0	0	0
The price of the products	0	0	0	0	0
The sizes available at the store	0	0	$\odot$	0	0

- Explore the types of survey questions and choose the most suitable ones for your survey.
- Survey Templates: Provides pre-designed templates for various use cases to help you get started quickly.

	www.surveymonkey.	communication as	and dresses	annaire-templat	14	Ø	- A - 1	5 A	Q	l dD	¢ @	-	8	972
SurveyMonkey	Products ~	Templates 🗸	Pricing	Enterprise	Resource	ces 🗸			(1) <	intact Sa	les Login	5	ign up fr	ee.
Showing 346 tem	oplates	i				1		-						î
Search	Q		Custo	mer satisfacti	on	Market	esearch -		350	deuree	employee			
Filter by surv	vey		1000000	survey			t survey		-	aluatio	a survey			
type			-	and a set										
Customers	38													
Education	24						_		1					
Employees	76													
Events	п			nd awareness		Produc	t testing			Emple				
Forms	68			survey			rvey		90		nt survey			
Healthcare	24										2 13-21			
Market Resea	rch 59		1								11/2	1		
Nonorofit														

- Design Customization: More design flexibility than Google Forms, letting you adjust fonts, colors, and layouts.
- Logic and Branching: Create complex survey paths with skip logic





- Analytics and Reporting: Provides advanced reporting tools, filtering options, and customizable dashboards to visualize results.
- Integrations: Connect with a wide range of apps like Sales force, Zapier, and Google Sheets to streamline work flows.
- Survey Monkey Genius: Get AI-powered help with writing survey questions, analyzing results, and spotting trends.

# **Applications:**

- Customer Satisfaction: Measure customer feedback, get product insights, and track NPS.
- Market Research: Conduct in-depth market studies, test concepts, and analyze trends.
- Employee Engagement: Collect employee feedback, run pulse surveys, and assess workplace culture.
- Lead Generation Forms: Capture contact information from potential customers on your website.
- Event Planning and Feedback: Gather attendee information and analyze post-event satisfaction.

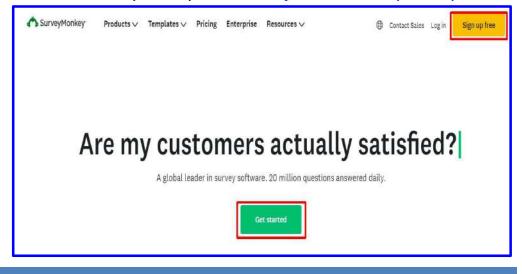
#### Source:

#### https://www.surveymonkey.com

#### Walkthrough:

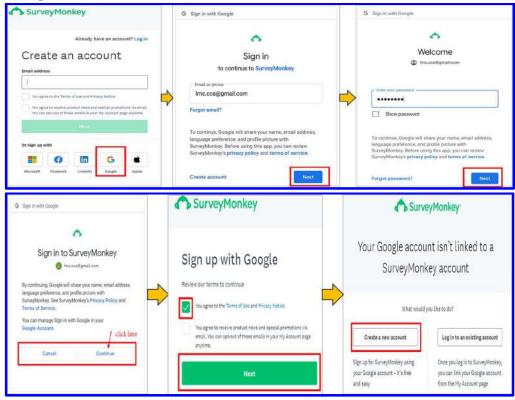
Sign Up or Log In:

a. Visit the SurveyMonkey website - https://www.surveymonkey.com

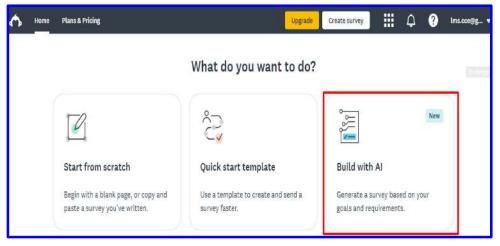




b. If you are new, click on "Sign Up free" or "Get started" or "Log in" if you already have an account by following the steps given in the figure below:

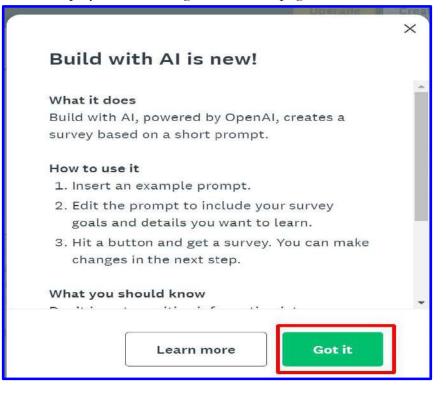


On selecting "Create a new account" it will open the landing page for the logged in user as shown below:



Now, to create a Survey, click on "Build with AI" as in the above screenshot.

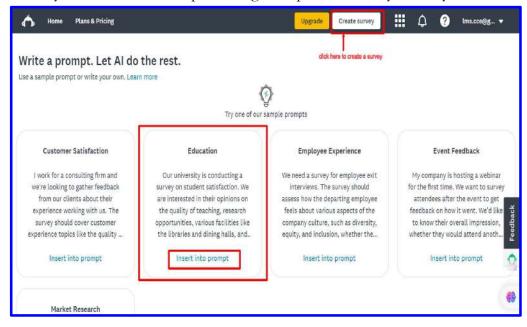
Then it will display the following instructions page:



## To create a survey with Build with AI:

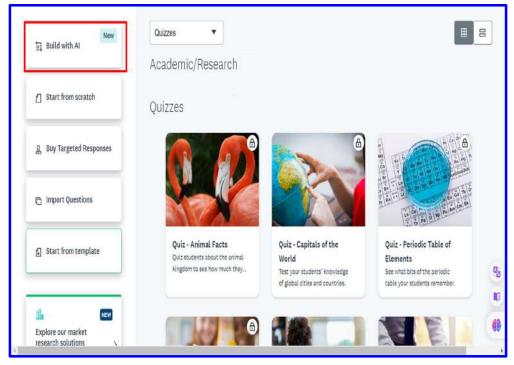
Create a New Survey:

• Click on "Create Survey" to start a new survey. Choose to build your own, use a template, or get help from SurveyMonkey Genius.

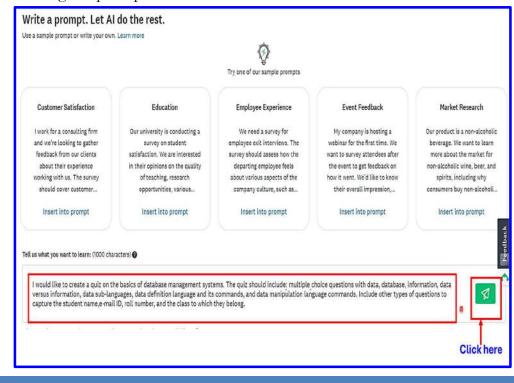




Click on "Build with AI" on the left panel to create a quiz / survey using AI:



Now, enter the prompt to create the quiz as per the guidelines given for creating the prompts as shown below:

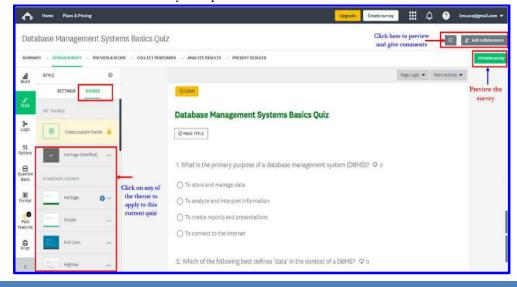




It will show the preview of the Quiz /survey created as illustrated in the screenshot given below. To continue with the survey, click **Use Survey** button so that you can edit the survey to customize it how you like. Otherwise, you can Try another prompt or start over with another survey creation method.

🔥 Home Plans & Pricing	Upgrade	Create survey	 ۵	0	lms.cce@g 🔻
Preview your survey.					
You can make changes in the next step.					
Database Management Systems Basics Quiz					
What is the primary purpose of a database management system (DBMS)?					
To store and manage data					
To analyze and interpret information					
To create reports and presentations					
To connect to the internet					
Which of the following best defines 'data' in the context of a DBMS?					
Raw facts and figures					
Processed and organized information					
Charts and graphs					
Try another prompt Use survey					
Click here to Click here to					
change the use & edit the					
prompt Quiz					

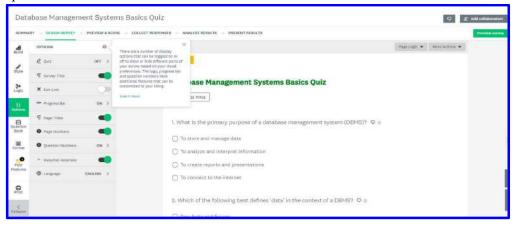
Clicking the "Use survey" button displays the quiz/survey Design Summary. Customize the quiz by using the toolbar to adjust appearance, add logos, and set themes from the left panel. You can also modify colors and fonts to suit your preferences.



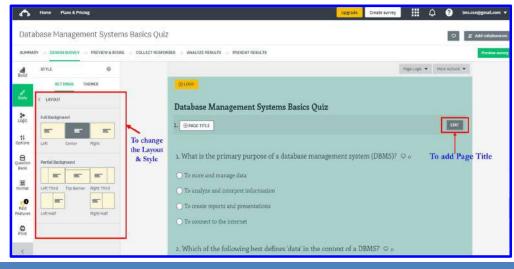
Preview the quiz by clicking the "Preview survey" button on the right.

ricin Home Plans & Pricin		ograde Create survey	🗘 🕜 Ims.coeitigmail.com +
SUMMARY - DESIGN SURVEY -	PREVEWS SCORE - COLLECT RESPONSES - ANALYZE REBULTS - PRESENT REPORTS		🗢 🤌 Add collaboration 🛛 🗮 😣
	Database Management Systems Basics Quiz		No issues No issues INTENTED COMPLETION RATE 71 % consisted
	1. What is the primary purpose of a database management system (DBMS)?		2 MINUTER COMPLETE
	O To store and manage data		Let's get creative-add a logs to
	O To analyze and interpret information		your earlay.
	O To create reports and presentations		S 1002
	O To connect to the internet		
	2. Which of the following best defines 'data' in the context of a DBMS?		Our work here is done! Now Let's choose a way to send your survey.
	C Rew facts and figures		COLLECT RESPONSES
Device View 💭 🛄 📮	O Processed and organized information	Survey Format @ 🗮 🚺	ar continus celting
	C) Charts and assring	Cara Constraint Cara and Cara	

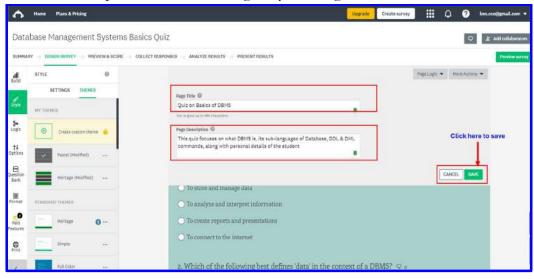
Customize the quiz by setting various options such as page numbers, question numbers, etc., as demonstrated below:



For changing the style, layout, and page title of the quiz, please refer to the highlighted areas in the screenshot below:



When you click the "Edit" button to add a page title, you can input the page title and description. Save the changes by clicking on "Save."



## Page Logic:

It is used to randomise the questions, pages and skip some of the specific pages from the respondents. It is implemented in three ways: 1) Page Skip Logic 2) Question Randomisation 3) Page randomisation.

• **Page Skip Logic** – is a paid feature that allows you to skip respondents from specific pages to certain destination

	Page Logic 👻 More Actions 👻
AGE SKIP LOGIC QUESTION RANDOMIZATION PAGE RANDOMIZATION	
fter the current page is completed, skip to this page	Click here to apply
Choose Page 🔻	
Choose Page	
- Choose Page - End of Survey Disqualify Respondent	CANCEL

• Question Randomisation: enables you to flip or randomize questions or sets of questions.

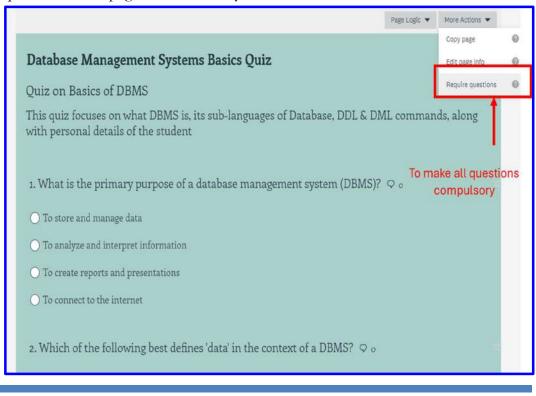
	Page Logic 👻 More Actions 🔹
Add question randomization to this page	Clear (
Format:	
No randomization	
Randomize questions	
Flip questions	
Questions Affected:	
All questions on page 1	Click here to app
Selected questions	
	CANCEL APPLY

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**Page Randomisation:** Utilize page randomization to reduce order bias and enhance the overall data quality. This feature allows you to rotate, flip, or randomize pages in your survey.

		Page Logic 💌 More Actions 💌
PAGE SKIP LOGIC QUESTION RANDOMIZATION	PAGE RANDOMIZATION	
Add page randomization to this survey		Clear 🔘
Format:		
No randomization		
O Randomize pages		
Flip pages		
Rotate pages		Click here to app
Pages Affected:		Olick here to app
All pages in this survey		
Selected pages		
		CANCEL

Click on More options and then select "Require questions" to make all the questions in all pages as mandatory.





Edit the questions to modify the questions or answer options, assign scores to each answer option. Once all the changes are completed, click on "Save".

EDIT	OPTIONS LOGIC MOVE COPY						
Q1	What Is the primary purpose of a database management system (DBMS)?	5	Multiple Choice				• 0
🔘 Ans	wer Genius 🔘	Co	Select type rrect answe	r sco	ore:	ĭ	
Select c	correct answer below			Points	1		
0	To store and manage data			-	1 -	÷	$\oplus \Theta$
0	To analyze and interpret information		1		0 -	+	$\oplus \odot$
0	To create reports and presentations			-	0 -	+	$\oplus \Theta$
$\odot$	To connect to the internet			-	0 -	+	$\oplus \Theta$
			⊕ ві	Max: 1	WERS	ø	
🔽 So	core this question (enable quiz mode)						0
101.00	ee previous anewer choices (carry forward responses)						0
Ad	dd an "Other" Answer Option or Comment Field						0
Ad	dd a "None of the above" Answer Option						0
• NE	EXT QUESTION			ſ	CANCI	EL	SAVE

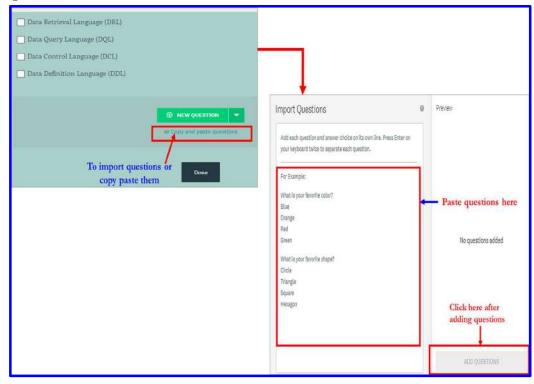
To change the Order / position of the question, click on "Move" and define as position and the question then click "Save" button shown below:

Data Control Language (DCL)	
Data Definition Language (DDL)	
* 7. What is your email address? 🗢 o FOR OPTIONS MOVE COPY LIBRARY DEL	
Email address	TE
* 8. What is your roll number? $\heartsuit$ o	
* 9. Which class are you in? $\heartsuit$ o	
EDIT OPTIONS MOVE COPY	
Move this question to	0
Page Position Question	
1. Quiz on Basics of DBMS 👻 After 👻 1. Please enter your full name 👻	
	٦

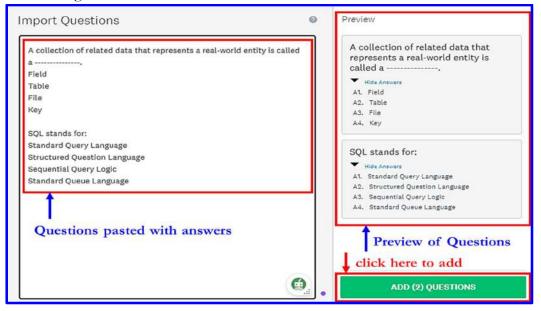
# To add more questions to the Quiz do the following steps:

Data Ketrieval Language (DKL)	Which of these is NOT a key advantage of using a DBMS7     We Multiple Choice     Multiple Choice	• •
🛄 Data Query Language (DQL)	55uggested Question * New question	estion Type
Data Control Language (DCL)		
Data Definition Language (DDL) To add a new question	O Answer Genius () Scale 5 * Agree-Disagre	10
	Select correct assiver below	Politis
	C Ester an answer shoite	· • + • •
or Copy and paste questions	C Etter an answer shoke	• • +
or copy and passe questions	To load Answer	Mac: 0
	Options in bulk	BULK ANSWERS
To import questions or copy paste them	Score this question (enable quiz mode)	0
Q6         Which of these is NOT a key advantage of using a DBMS?         Q Q         Multiple Choice         0		
F Suggistus Osertion: *	Add Answers in Bulk	
O Americana D Sun 1 - Apre-Diapas - OB		
Belant tarrier brave belan Polant	Enter each answer choice on a separate line.	0
Dista security	Data redundancy control	
😵 Easy the straining without structure	Data security	
- Dida stratilitercy	Easy file sharing without structure Data consistency	
	Duct consistency	
🛃 fizzis this quantitate gata mandare 💿		9 @
🔄 las parties acces (mitro (certy forward response)) 💿	A maximum of 200 choices are allowed for this question type.	~ %
🔄 Add an 10ther Annue Online or Convent Polat 🛛 😐	A maximum or 200 choices are allowed for this question type.	
Add a "None of the show" Answer Cotton	CA	NCEL SAVE
(I) ADXY OR STREAM		

Adding more questions to the quiz /survey by clicking on "**Copy and paste questions**" as shown below:



In the Import Questions window, you can add questions and answers. You can see a preview of them on the right side. Once you confirm, click the "ADD (2) Questions" button to include them in the Quiz, as demonstrated in the image below.

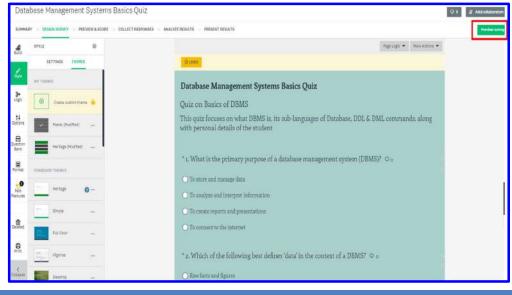


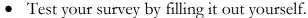
Next, edit each of the recently added questions. Assign scores to them and mark them as required.

**Note:** All Individual plans can create surveys using Build with AI. But, the free plan will allow only one user to edit the quiz / survey by collaborating.

## • Preview and Test:

Once you have completed the customization of quiz created using AI, Click on "Preview survey" to see how your survey will look to respondents.







Attempt the quiz to test it. After attempting all the questions click on "Done" to complete the test as shown below:

W & SCORE COLLECT RESPONSES ANALYZE RESULTS PRESENT RESULTS	Q # Add collaborations Next →
* 7. SQL stands for:	
O Standard Query Language	
Structured Question Language	No issues
O Sequential Query Logic	ESTIMATED COMPLETION RATE
O Standard Queue Language	ESTIMATED TINE TO COMPLETE
* 8. A collection of related data that represents a real-world entity is called a	Let's get creative-add a logo to your aurway.
O Field	€ L000
🗸 Table	
O File	Our work here is done! Now
O Key	let's choose a way to send your survey.
Example	COLLECT RESPONSES

After clicking on "Done", it displays the score obtained in the test along with answers as shown in the screenshot below:

Score: 100%	SCORE SURVEY     SURVEYMONALLY GENRUS     No issues
Database Management Systems Basics Quiz	ESTIMATED COMPLETION DATE 79 % Completed ESTIMATED TIME TO COMPLETE 2 Minutes
Page 24 1. What is the primary purpose of a database management system (DBMS)?	Let's get creative—add a logor screey. . @.1000
To strore and manage data     To analyze and interpret information     To create reports and presentations     To connect to the internet	Our work here is donel N let's choose a way to sen survey.
u'i point	COLLECT RESPONSES
2. Which of the following best defines 'data' in the context of a DBMS?  © Raw facts and figures	

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# **Collect Responses:**

Choose how you want to collect responses (via email, social media, or embedding on a website).

🚓 rome Planck Printing		inggaan Windo asynty III 🗛 🎱 broadengymeitaan -
RIHHAW - DECKNAUWEV - PERSONANCE	DOLOGY DEBOORD ANALYSE DOLATE IN PREDICT REALTS	O al Antoniolization
Quiz o This qu alorg y	sase Management Systems Basics Quiz on Basics of DBMS nie focumes on what DBMS is, its sub-languages of Database, DDL & DML comm with personal adents of the student at is your email address?	er Franktien Gomes, Fridan Baitz 277 % Gomespherine Bishontice Hank Ter Consecutive 2 Monume Lieft zur Kreattinnen aufeit di Signiste prove anteriore.
1000 miles * 3. Wb * 70 * 70	are enter your full name at is the main function of a data definition language (DDL) in a DBMSP define the structure of the database offere and diploy dea perform calculations	To collect Responses From the respondence University formation

click on "Collect Responses" in the above screenshot to collect the responses from the quiz participants by method of collecting responses to the Quiz as shown here:

How would you like to colled	ct responses to your survey?
Send surveys your way	Image: spondents
Send your surveys by email, embed them on your website, share a (Ink on social media or a web page, and more.	Buy responses from the right demographics on our global survey panel, SurveyMonkey Audience, Get results in minutes.

Now, click on "share a survey link" from the free options to gather responses for the survey, as indicated in the screenshot below:

How would you l	ike to collect response	s to your survey?
Copy a link to share instantly—works great with scheduling recurring links, multiple responses, and tracking custom variables	Embed on a site Embed your survey on a website, or link to your survey in a pop-up message.	Sond by text SurveyMonkey Enterprise Upload a contact Ust, SMS text them your survey link, and track who responds.
Buy targeted responses Find people who fit your target criteria from our global panel—choose from region, age, income, and more.	Post on social media Post a link to your survey on Twitter, Linkedin, or Facebook.	Send by email UPOR. Send custom messages, track who respon and schedule follow-up reminders and tha yous using our email system.
Embed in a mobile UPGRADE app Work with your dev team to Integrate surveys and gat in-usp customer experience feedback,	Add data manually UPGRADE Manually input responses to your survey that you collected offline or somewhere else.	Use klosk mode UPBRADE Run a survey in a lobp, and turn your table mobile decke into a survey station on the survey Mankey. Anywhere app.

Now, click on copy web link button to share the quiz link with others:

Database Management Systems	Basics Quiz	Q Z Add collaborations
SUMMARY -> DESIGN SURVEY -> PREVIEW & SCORE	+ COLLECT RESPONSES + ANALYZE RESULTS + PRESENT RESULTS	
	+ Back to All Collectors	
	Web Link 2 @	
	Copy this UPL to share your survey. For example, paste it in an email, on a website, or share it on social media.	
	https://www.surreymonkey.com/n/JFCHWVT	
	The first vorices as long as the collector is open. We disk collectors are open by defluid. Learn more Link creater: 34(002) Manual Disk Setty   Collector Cell   Council and QR code : 0	
	Integrations Easily connect forms and surveys data to existing business systems.	M
	💼 Google Sheets 💰 Mailzhimp 🔜 Zapier 😻 Dropbox (ria Zapier)	
	Explore more integrations	

When you copy the survey link and open the test, the score will be shown upon finishing the test, as seen in the screenshot below:

Score: 88.9% #/9 points	4. Which command is used to add a new table to a database in SQL?
	📀 Create Table
Database Management Systems Basics Quiz	🔘 Add Table
	🔘 Insert Table
1. What is the primary purpose of a database management system (DBMS)?	O Alter Table
O To store and manage data	1/I point
O To analyze and interpret information	5. Which of these is NOT a key advantage of using a DBMS?
O To create reports and presentations	
O To connect to the internet	O Data redundancy control
3/1 point	O Data security
2. Which of the following best defines 'data' in the context of a DBMS?	
Raw facts and figures	Easy file sharing without structure
O Processed and organized information	O Data consistency
Charts and graphs	1/1 point
O Internet connectivity	
ווסק (ע	6. A collection of related data that represents a real-world entity is called a
3. What is the main function of a data definition language (DDL) in a DBMS?	○ Field
O To define the structure of the database	🔘 Table
◯ To retrieve and display data	(3) File
O To perform calculations	
O To manage user access	⊖ Key
1/1 point	'0/1 paint

#### Analyse Results:

• Once you start receiving responses, Analyse Results, View reports, filter data, and use SurveyMonkey's analysis tools to interpret the data.

• To analyse the results go to Home, Select the survey responses you want to analyse and then click on "Analyse Results"

Home Crea	e survey				
All Sur	veys				
	Open	Open		Draft	
	Database Management	Database Management		Quiz - Analyze and	
	Systems Basics Quiz Modified 03/04/2024	Systems Quiz Modified 03/04/2024		Interpret a Passage Modified 05/04/2024	
	· 1 2 / 25 responses	直 0/25 responses		🗸 No issues	
Click here to see the result	Analyze results	Analyze results	1	Send survey	

You will see question summaries that can be added to the dashboard, shared, downloaded, or saved. All these options are highlighted for easy understanding.

Dat	tabase Management Systems	Basics Quiz	Q
SUM		COLLECT RESPONSES - ANALYZE REBULTE - PRESENT RESULTE	
$\overline{\nabla}$	SHARED DATA	QUESTION SUMMARIES- INSIGHTS AND DATA TRENDS INDIVIDUAL RESPONSES	
۲	No shared-data		
≁	Sharing allows you to share your survey results with others. You can share all flats, a named view, or a single coestion summary.	RESPONDENTS: 2 of 2	
8	Learn mare +	Quiz Summary	6
*	+ Shars All	AUERADE SCORE 78% • 7.0/9 PTIS	
Ş		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2
<		olida, mada, shaqe shaqe erada, shaqe shaqe shaqe shaqe shaqe Solie	

You will see Insights and Data Trends that can be exported or shared. All these options are highlighted for easy understanding.

	QUESTION SUMMARIES	INSIG	SHTS AND DATA TRENDS	INDIVIDUAL RESPONSES		
RESPONDENTS: 2 of 2					1	SAVE AS - Shared data link
Insights						New View Export file
TOTAL RESPONSES	COMPLETION RATE	0	TYPICAL TIME SPENT @ 1m:23s	MOST-SKIPPED O QUESTION Q7-Which SQL command is used to retrieve data		All summary data All responses data All individual responses
				from a table? Skipped:1		you like to see ere?

In the screenshot below, you can view individual responses that are editable, deletable, or viewable by clicking on the "Individual Responses" tab.

	QUESTIONS	SUMMARIES INSI	SHTS AND DATA TRENDS	INDIVIDUAL RESPONSES	
RESPO	NDENTS: 2 of 2				SAVE AS 🔻
Status	Last Modified	Time Spent	Collector	IP Address	To edit the response Q1: What is the pr
Complete	2024-03-04 19:38	00:40	Web Link 3 (Weblink)	49.204.211.202	To store and man 🕑 💼 🤇
Complete	2024-03-04 19:32	02:06	Web Link 2 (Weblink)	49.204.211.202	To store and man 🕜 🛱 🤇

Clicking on the "Present Results" tab will show the results that can be published by clicking the "Publish" button.

Database Ma	nagement Systems Basics Quiz		
SUMMARY -> DESIGN	SURVEY IF PREVIEW & SCORE IF COLLECT RESPONSES IF ANALYZE RESULTS PRESENT	RESULTS	
C Back to dashboards			PUBLISH
T			
Database Mar Sournite	nagement Systems Basics Quiz		
Wha	t is the primary purpose of a database management system (DBM	Which of the following best defines 'data' in the context of a DBMS?	
	ered 3 Skipped 0	Antaerol: 2 Skippel: 0	
	t strea AM	Raw Texts and Agreen	
	pracesant literpart	Processer and registret	1
	To weeks	Chiefy and	3

You can create Quizzes, Assessments, and Surveys either by choosing "start from scratch", "Quick Start Templates", or "building with AI". You can explore "Start from Scratch" and "Quick start Templates" for further customization and variation.

#### **Pricing:**

Survey Monkey has several pricing tiers:

• Free (Basic): Limited questions, limited responses

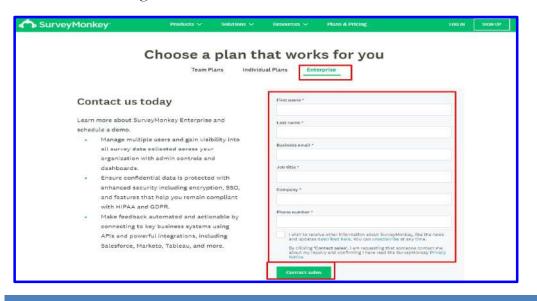
#### **Individual Plans:**



**Team Plans**: Designed for collaboration, with greater customization and higher response limits.



• Enterprise: Contact Survey Monkey Sales team for custom quotes based on large-scale needs.



# 4.1.4 Lime Survey

Lime Survey is a free and open-source survey software that offers advanced features and customization options for creating, distributing, and analysing surveys.

## Features:

- Open-source and Free: No licensing fees, allowing anyone to use and modify the software.
- Diverse Question Types: Includes multiple choice, matrix, ranking, file upload, and many more for versatile data collection.
- Logic Branching: Create dynamic surveys with conditional questions based on previous responses.
- Theming and Branding: Customize the look and feel of your surveys with themes, logos, and colors.
- Multilingual Support: Conduct surveys in over 90 languages for a global audience.
- Survey Permissions: Manage user access with different permission levels for collaborators.
- Data Encryption: Securely store and manage survey data with encryption options.
- API Access: Integrate LimeSurvey with other tools and workflows through its API.
- Offline Data Collection: Collect responses even without internet connectivity.
- Extensive Reporting: Generate detailed reports with various data visualizations and filters.
- Community and Support: Benefit from a large and active community and comprehensive support resources.

# **Applications:**

- Market Research: Conduct surveys for product research, customer feedback, and competitor analysis.
- Academic Research: Collect data for research projects and studies.
- **Employee Engagement:** Gauge employee satisfaction, gather feedback on policies, and measure team performance.



- **Customer Satisfaction Surveys:** Collect feedback on products, services, and customer experience.
- **Event Feedback:** Measure event effectiveness and gather attendee feedback.
- **Online Voting:** Conduct online elections and polls.

#### Source:

https://www.limesurvey.org/

# Walkthrough:

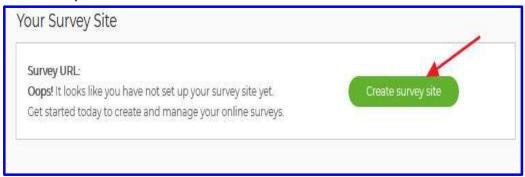
Setting Up:

- Go to https://www.limesurvey.org/ and choose your installation method (self-hosted, cloud, or hosted).
- Sign up for a free account by entering Username you like to have, password and email id:

	Sign up for free
	Already have an account? Log in ►
Username '	
Min. 6 charact	ers, no spaces.
Password *	
	0
Min. 8 charact	ers, 1 uppercase, 1 number.
Email Addr	ess *
Enter your em	ail address.
Subscr	ibe to our LimeSurvey newsletter
By clicking	on "Create account" below, you are agreeing to our
Terms & Co	nditions and to our Privacy Policy.
	Create account

After creating your Lime Survey account, you will receive an email. This email contains the account activation link. Click the link to access your newly created account. Clicking the link takes you to your account on the Lime Survey website.

• You need to create a survey site before you can start creating and managing online surveys. Log in to your account and click Create survey site.



To create your Lime Survey site:

- Enter your site name.
- Choose a domain name from the dropdown menu.
- Choose a server location.
- Click Save & Set Up Lime Survey Site.

The process may take seconds. When the process is complete, the window will close and you will be taken back to your account page.

Message	
Congratulations! You have successfully created y	rour survey site. Click on the button below to visit your newly created site. For an upgrade to a paid plan, click
on the upgrade button.	Upgrade View survey site

You can now access your survey site by clicking **View Survey Site** at the top of the page. Sign in to your account using your LimeSurvey.org credentials.

Log in					
Username					
TestLimeSurvey					
Password					
anguage					
Default	-				
	Log in				
For	got your password				



Creating a Survey:

• Click "Create a new survey" and choose a template or start from scratch.

This is the LimeSurv	ey admin interface. Start to build your s	urvey from here.
Create survey	List surveys	Global settings
0	:==	\$
<b>v</b>	:=	
Create a new survey	List available surveys	Edit global settings
Manage survey administrators	Label sets	Themes
•	0	1

• The following create survey page will appear. Enter a title, description, and language for your survey.

Once you've filled out the Text Elements, click Save to go to your survey's home page where you can add question groups and questions.

(∫ → # TestSurvey: Working with dates (91227)	n					
C Serrey Burne	Activity fill screy	O Preview survey 🕆 R 1000- 🖕 Cription/Lipot 🛛 & Survey partice	petta Q Reponse-			
Garvey settings	Survey summary	TestSurvey: Working with dates (ID 912277)				
III Orenier >	ourrey automaty .	reasonry. Honory manuality (or Figure 7)				
Ceneral settings	Survey URL:			Text elements:		<
2 Test electricits	English (Base Lenguage	<ul> <li>http://ocahoitzides.php?=survey?eded.ml??1227756</li> </ul>	and view	Description		
C Data policy settings	Endura	-		Welcome		
🖌 Thenher options	Number of guestions/g			End message		
# Proceipton	which is there as a	inite (a. )		and a second sec		
₩ Partopart settings	Survey general setting	×	۰.	Publication and access setting	pc.	<
h Sotfeature & Ges	Administer	Administrator (your email(lexample her)		Start Bale/time		
& Publication & access	Facts			Explation dates time.	ж.	
Survey menu	1 Tene	Fully Theme (Tuth)	ш./	Landpublicly	No	
# Largestes	Survey settings	Responses to this survey are NOT anonymized.				
III Lit bestingsupi		it is presented group by group. Participants can save partially brished surveys.				
In Anthe particulation page						
A Sweypartoparts						
E Quotas						
() Assessment						
A Survey permissions						
D Itmail templates						
% fankintegator						
teore						
+ Highman 1						

Create a Question Group before adding the Questions, where Question Groups allow you to group questions together.



Click on the survey you wish to add the question group to.

<	Settings	Structure	
Survey sett	tings		
i Over	rview		>
OS Gene	eral settings		
🖃 Text e	elements		
Data p	policy settings		
🖌 Then	ne options		
Prese	entation		
🐭 Partie	cipant settings		
Notifi	cations & data		
🧠 Publi	cation & access		
Survey mer	nu		-
I List q	questions		
III List o	luestion groups		
E Reor	rder questions/question	groups	
📥 Surve	y participants		
Cuot	as		
C Asse	ssments		

The menu will appear as follows when the Structure tab is selected.

<b>0</b> 72 52	Rate LimeSurve	ey (876337)
<	Settings	Structure
Add a	uestion group	

Next, click the Add question group button. The following page will be displayed.

(j → 🕷 Rate LimeSurvey (876337)	
C Settings Brackets	El Import a group El Save and add question El Save and new group
+ Add question group	Add question group
	English (Base Europaspel)
	Tate
	Road savey participants
	Description
	然且Service 米·日田田 キー 9.5 年1. 四〇〇 田田 ○ 0. B 1 2 5 ちゃか にに 日日か日 生産者目 イヤ 回 中日
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	That is a more about you
	tee
	Randomization group:
	Relevance equation:

#### Adding Questions:

After creating the survey and adding a question group, go to the Structure tab, then select "Add Question" from the left menu or click "Add New Question to Group" under Group quick actions.

- Customize the question text, answer options, and any additional settings.
- Use logic branching to create dynamic question flows based on responses.

< Settings	Shucture	Preview survey     Preview question group		🖉 Edit current question group	Check survey logic for current question group	Delete current question gro
						B Export this question gro
Add question group	O Add question					
About LimeSurvey	0-	Group summary				
		Title	About LimeSurvey (17)			
		Description:	Tell us more about yourself!			
	1	Group quick actions Add new question to group				

### Create a Question page will appear:

Add a new question			
Eight Bass legand	General options		
Cross	Question type: Long the rate		
Constant much stay, out to wrighty Required	Gamilies from 0		
Queiton	Default		9
	Pagalaw		
	Tang Pros Text		
	Carrillo group		
Hutp	Guarter Stop Dre (C.1)		8
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			1
	Validation;		
	Pesitore	u end	0
	Display		
	theat		
	Logic		
	Other .		
	Tishiko		
	Time		

Fill out the necessary fields, save, and you'll be directed to a page with the summary of the new question.

+ Add question group	• Add question	Question su	Jmmary Burthday (IO: 58)
About LimeSurvey Birthday] > Day of birth	0.	Question group: Code: Question: Help: Type: Mandatory: Relevance equatic	About LimeSurvey (ID:17) Birthday : (Optional question) Day of birth Please state the day of birth as mentioned in your ID card/passport. Date/Time No
	1	Question qu	d new question to group

To add more questions, follow the same procedure described above.

• To add a set of predefined answers, go to the top toolbar and click Edit answer options. Type in the answers.

English (Base	e langoage)		
Position	Code	Answer option	Actions
=	A1	Not important	2 •
=	A2	Somewhat important	2 0 1
=	A3	Important	

• Save the set of answers and preview the question (look for the Preview question button located on the top toolbar).



• To Activate the Quiz or Survey:

Select the Settings tab from the menu on the left and click on Overview. The following page will be displayed.

K Settings Structure	Activate this survey	Preview survey 🕅 Tools- 🕒 Display/Expor	t Survey participants Q R	lesponses+		
Sarvey settings	Survey summary : T	imer-related survey (ID 445214)				
E Overview >						
Ø, General settings	Survey URL:			Text elements:		¢
🖹 Ted elements	English (Base language):	http://iocalhost/index.php?t=survey/index	Reid=445214Blongsum	Description	Welcome to the dark side	
O Data policy settings	End URL			Webome:	Afraid? We got cookies	
🖌 Theme options	Number of questions/go	нра: 4/2		End message:	Wembership complete!	
Presentation						
🔮 Participant settings	Survey general settings:		¢	Publication and access setti	ings:	¢
& Notifications & data	Administrator:	Administrator (your email@example.net)		Start date/time:	12	
R <sub>k</sub> Publication & access	Fax to:			Expiration date/time:	3	
Sarvey menu	There.	Fruity Theme (fruity)	21	Listed publicly:	No	
Testici	Survey settings:	Responses to this survey are NOT anonymi	rød.			
Test		It is presented group by group. Participants can save partially finished sur-	eys			
E List questions						

• Before activation, a window will be displayed asking you about general survey settings.

Warning: Please read this ca	arefully bet	fore proceeding!			
You should only activate a sur	vey when y	ou are absolutely c	ertain that your survey	/	
setup is finished and will not r	need changi	ng.			
Once a survey is activated you can no longe	r;				
	Add or delete gr Add or delete qu Add or delete su		codes		
Additionally the following settings cannot b Please check these settings now:	e changed when	the survey is active.			
Anonymized responses?	No	•	Date stamp?	No	٠
Save IP address?	No		Save referrer URL?	No	٠
Save timings?	No	•			
Please note that once responses have coller of the settings above, you will need to deact separate archived table.					
Sa	ive & activate	survey Cancel			

### Sharing the Survey:

- Go to "Distribution & data collection" and choose your sharing method (email, link, social media).
- Set access permissions and any other sharing options.

Tarrey settings	General Analyticary (Teatling and (D) 631428)				
All Tables of					
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(2 families)					
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and instantion	Report to the second state of provided		341 KTR 0-01 000 MOL4		
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S farments					
· Providence					

#### **Analyzing Responses:**

- Go to "Statistics" to view real-time response data and generate reports.
- Apply filters, create charts and graphs, and export data for further analysis.

Survey list											
			Search		Stotus:	(Arty)	+ Ge	H	(Any grou	ni (*	Search Res
🗌 Survey ID	Status	Tite	Group	Created -	Owner	Anonymized responses	Partial	nit	To Sal	Closed group	
976237	•	Rate LimiGaney	Default Survey Group	24.04.2018	aferin	No		σ		No:	<b>0</b> 144

Once you have chosen your filters, click View Statistics in the upper-right corner of the window.



#### Subscription Details:

It offers both free and paid plans.

			PRICING	LOGIN
Ölimeturvey	Termilates		nglion —	Login
	Tige on her free to get a teste, t	an that works for you.		
Basic	Expert	Business	Corporate	
Basic Create surveys to gather data and analyze results.	Ensure a seamless, andmand schemence.	Tailored for Steps, offering distincted biographic to meet your organization's analysis reads.	titeal for large organizations, providing education features and deducted suggest to help plus accessed without limited	
Create surveys to gether data	Trains a secondary, and read according to the second secon	Tailound for stress, offering, dusting and singlets to meet your	Island for large organisations, providing advanced features and dedicated automatic to help plot	
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# 4.1.5 Typeform

It is a cloud-based application that allows users to build engaging forms and surveys. While it's commonly used for interactive assessments and surveys. It is versatile enough to handle various form types, including contact lists, shopping carts, and quizzes. Use TypeForm to create anything from surveys to Apps, without needing to write a single line of code.

#### Features:

- **Drag and Drop Template Design:** Easily customize your forms using a user-friendly interface.
- Unrestricted Forms and Surveys: Create as many forms as you need.
- 128-bit SSL Encryption: Ensures secure data transmission.
- **Data Export:** Export collected data for further analysis.
- **API Integration:** Seamlessly connect with other applications like Google Analytics, Google Sheets, Excel, Japier, etc.
- Mobile and Desktop Compatibility: Use Typeform on any device.
- Using the free plan offered by TypeForm, one can create unlimited no.of quiz forms and unlimited no. of questions in the quiz. But, it allows only 100 responses in a month.

# **Applications:**

- Education: Ideal for quizzes, assessments, and student feedback.
- **Business:** Collect customer feedback, create order forms, and conduct employee surveys.
- **Events**: Use it for registrations, RSVPs, and party invites.
- **Research**: Gather data for academic studies or research projects.

#### Limitations:

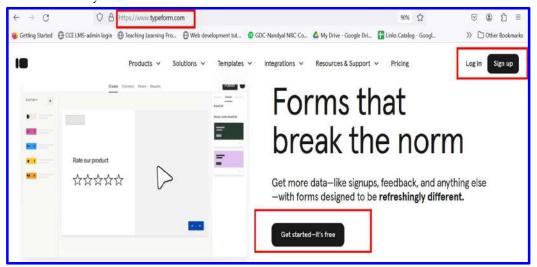
- **Basic Customization**: While it is user-friendly, advanced design options are somewhat limited.
- **Basic Analytics**: For in-depth analysis, consider exporting data to other tools.
- No Offline Mode: Type form requires an internet connection.
- Question Logic: It's not as robust as specialized survey tools.

Source:

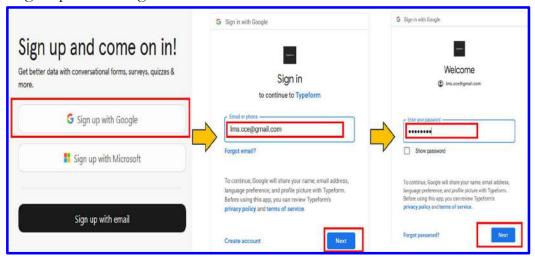
https://www.typeform.com/

#### Walkthrough:

**Sign Up:** Visit the Type form website at https://www.typeform.com/ and sign up with your email address and chosen password. You don't need to download any software.



Sign Up with Google / Microsoft or with email is allowed. Now, click on "Sign Up with Google":



• Explore Templates: Type form offers various templates for different purposes (lead generation, feedback collection, etc.). Choose one or create a custom form.

• To create a Form for the assessment (quiz), click on "+ Create new form" button:

Ims.cce		View plans
Q. Find workspace or typeform	My workspace 2* share	
★ PRIVATE +	+ Create new form	Date created 🛩 🤳 🖬 List 🗰 Grid
My workspace 0	Create with AI (7)	Dismiss.supportions
	Create a personality quiz to help the audience learn more	Create a feedback form to gather opinions and suggestions
LMS AP's account Responses collected	about themselves.	from the audience.
Q ≠ 10 Remete on filter 216	27-	
Increase response limit III Apps & Integrations >		-
Strand kit >		a form in sight

Select the method of creating Quiz. A new form to create a quiz can be made in anyone of the three ways:

- 1. Start from Scratch
- 2. Import Questions
- 3. Create with AI

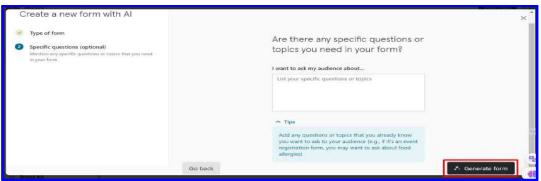
#### Click on "Create with AI":

	Create a new form	s	
+	كا	**	
Start from scratch Jump Hight in and build something beautiful	Import questions Copy & pate your questions or select your Google Form and we'll create the form for you	Create with AI Save brie and create forms faster —let AI handle the first draft	

On the next page, specify what you want to create. For example, you can choose to create an "Interactive Quiz with Personalized Results to educate and engage learners on a topic of your choice".

Create a new form with Al	×
Type of form     Tail us more about the form you have in mind     Specific questions (optional)	LMS, what type of form do you want to create? I want to create Interactive quiz with personalised results to educate and engage the learners on introduction to Operating
	System  Tips Continue
	Continue

Now, after giving the Topic to create a quiz form, click on "Generate" button:



View the quiz generated by AI with questions on the left hand side and preview, publish options along with "start" button to start the quiz. The generated quiz can be viewed in Mobile or Desktop mode by clicking on the "Mobile" or "Desktop" button at the bottom. Preview of the quiz can be viewed by clicking on the "eye" symbol at the top.

My workspace / Introduction to Op	erating System Qui	Create Connect Share Results	preview	Publish View plans
Content + Welcome to the Gaid What is an operating	Quiz questions created		to publish	Type Welcome Screen
Which of the following are examples _ 9 system? What is the tole of an operating system? Which of the following is Which of the following is		Welcome to the Quiz! Description (optional) Start unstance • Takes (modes		Settings Time to complete (?)  Number of submissions (?) Sutton
Endings +	-	to start the quiz		Start 5 / 24 Image or video Add
Thank you for taking the quist	<b>1111111111111</b>	Mobile View Desktop View		to upload Image or Da Video to the Quiz

click on the "Eye" symbol at the top right side to preview the quiz and click the "Start" button, then the quiz will start.

*	Live Preview	G Restief
	Welcome to the Quiz!	
		2
	Mcblie Desktop	93 69

review, it has displayed First Quiz question as	»:
Live Preview	
What is an operating system? an interface between user and the compute ok ✓ ← click ok	er
	click on the down arrow to go the next question.

Multiple choice quiz question generated and displayed in the preview:

	Vindows	wing are examples of operating	systems?
	B MacOS		
	C Linux		
	D iOS		
	E Android		
L	ок ∽		
			Powered by Typefor

The last quiz question with "Submit" button:

		Live Preview	C Restart
14	→ Which of the following is NO	T a type of shell?	
	Command-line interface		
	Graphical user interface		
	C Bash		
	PowerShell		
	🖬 Dance interface 🗸 🗸		
	Submit		

AI TOOLS IN TEACHING, LEARNING & RESEARCH

If you want to enable the quiz for others to attempt it, you need to publish it by clicking on the "Publish" button at the Top.

Myworkspace / SQLQuit	Create Connect Share Results	Publish View plans
Content	** Which of the following SQL command to Galary Description attraction of the Toler Description ************************************	Currention Design Logic © Type
Kerne Ending (2)	MONT Desktop	

The integrate the quiz with Google Sheets or Excel, etc, click on the "Connect" at the Top:

My workspace / Introduction to Operating System (	2012	0	wate Connect Share Results	St Von	View plans	
INTEGRATIONS FOLLOW-UPS WEEHOOKS			To integrate the TypeForm Quiz			
Connect Typefo your favorite ap		Q. Search i		ж		I
Create workflows that work Spend more time walking lizard	k far you.	8	HubSpot Send contact, company, or deal into to HubSpot to quickly follow up on	Connect		
Categories	72	-	new leads or update existing details to your free HubSpot account.			
Analytics & reporting	10	-				
Automation	3		Google Sheets Send your data straight to Google Sheets. Automatically syncs as results come in	Connect		
Collaboration	*	_				14
Customer support Developer tools	5	-78	Excel	-		Ra
Documents File management	8	-	Send your typeform responses to Excel Online, Turn feedback into graphs, support queries into workflows, and much more.	Connect		69

To share the quiz, click on the "Share" at the top. Note: A quiz can be shared with others only when it is published.

My workspace / Introduction to Operating System Quiz	Create Connect Share Results 27 View	View plans	
Share the link http	//ju7iff05drg.typeform.com/to/c4u Copy link	Link preview Advanced	
Embed in an email Imbed in a web page Sharing can be through link, email or by embedding in WebPage	The 3 meets	CUSTOM LINK PESVIEW Customize how your typeform looks when shared Charge the thumbal, add details, and make your form stard our when shared elsewhere Available on these Business, Enterprise	4
		Upgrade my plan	Ra
	Desidop Mobile		69



#### Creating a new Quiz Form by Importing Questions:

• To create a Form for the assessment (quiz), click the "+ Create new form" button, then it will lead to the page in the screenshot. There you select, "Import Questions"



It will open the Import questions page. To import the questions and answers to create a quiz, copy and paste them, then click the "Import Questions" button. If the questions are already in Google Forms, click the "Import them" link.

Importing tips     Voic an import questions in most     You can import questions in most     Printer     Paste	Questions here
You can import questions in most     Printer	
Ianguages     Operating System     Focus on your questions and their     Monitor	
answer choices (if any) Monitor	
Don't worry about the text format, we     Which of the following is an example of a programming language?	
will handle it HTML	
CSS	
JavaScript Google	
Already have forms created on Google     Forms Import them	
Which of the following is NOT a type of computer network?	6

Quiz created after doing "import questions" is shown below. All the operations whatever are applied on quiz created with AI, the same is applicable to this quiz also such as preview, share, connect, publish, etc:

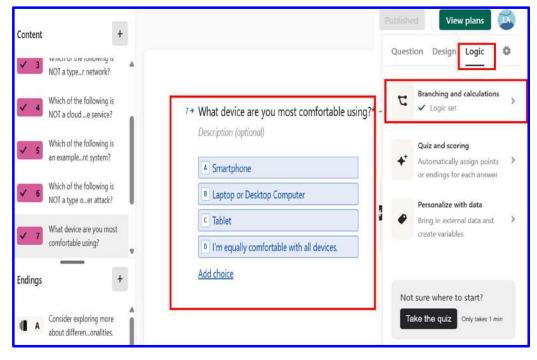
ontent +		Question Design Logic	1
Which of the following is Quiz	Questions	Туре	
<ul> <li>Which of the following is an examplelenguage?</li> <li>Which of the following is NOT a type_relevent?</li> <li>Which of the following is NOT exervice!</li> <li>Which of the following is an example.re system?</li> </ul>	<ul> <li>1* Which of the following is NOT an example of hardware? Description (optional)</li> <li>A Keyboard</li> <li>Printer</li> <li>Operating System</li> <li>Monitor</li> </ul>	Multiple Choice Settings Required Multiple selection Randomize	
ndings +	Monitor  Add choice	"Other" option Vertical alignment Image or video	

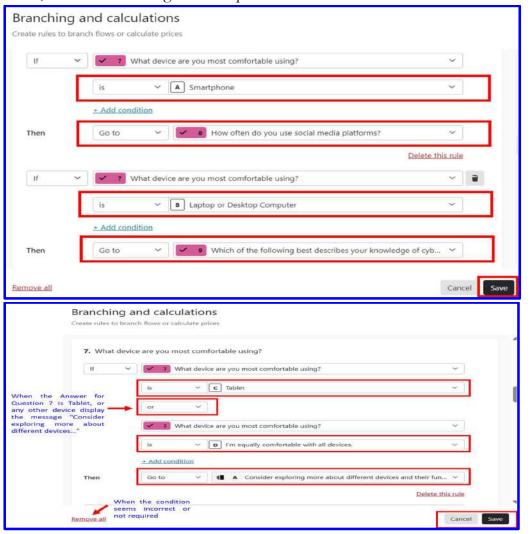
**Logic:** Set up logic jumps to direct respondents based on their answers. Logic in Typeform surveys, also called branching logic, allows you to make conditional jumps in the quiz/survey. This allows you to show specific questions to the users based on their earlier answers by skipping other questions, making the experience more personalized and interactive. Each user gets different questions if their answers vary.

To apply logic to the quiz / survey in typeform, do the following steps:

- Start with a Multiple Choice Question, ensure to select **Multiple Choice** for the question from the right-hand side **Question** panel.
- Based on the possible answers from the Multiple Choice question, add follow-up questions. Example: use Rating questions as follow-ups.
- Set up the logic: click Logic from the right-hand panel, then, select Branching and Calculations.

To perform the steps mentioned above, start by choosing multiple-choice questions that can have varying answers, as displayed in the screenshot. Next, click on "Logic" in the right-hand panel, and then select "Branching and Calculations."



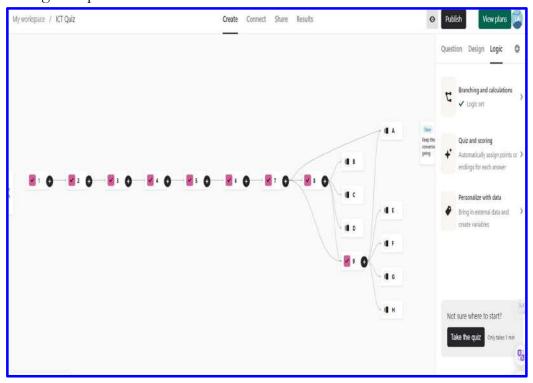


#### Then, add the branching rules to question 7 as shown below:

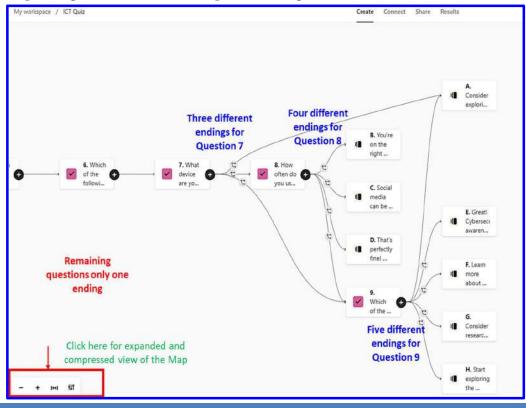
# Logic Rules defined for Question 8:

r ~	How often do you use social media platforms?			
			Edit logic for 🔽 🔹	×
	is v B Occasionally v	A rest of the set of t		
	± Add condition	Logic displayed in short form	H A	go to 🖌 🦻
hen	Go to v III 8 You're on the right track Keep learning. v		if 8	go to 💵 B
	Deterte this rule		-	1000 C
н ~	How often do you use social media platforms?		/#[c]	go to 📲 C
	is v C Rarely v		If D	go to 🕕 D
	+ Add condition		All other cases	go to 🗸
hen	Go to v Go Social media can be a powerful tool. Explore its potential. v			
	Delete this rule	1	+ Add rule	
н ~	How often do you use social media platforms?		1	
	is v 🗊 I don't use social media. v		To Add L	ogic rule
	+ Add condition	1		
hen	Go to v III o Trat's perfectly finel Social media isn't for everyone. v			
Addrule	Detete this rule			
ALL other car	ses jump to Select >			

The same logic rules applied on different questions of the quiz can be seen as Logic Map as shown below:



Login Map with detailed endings for each questions:



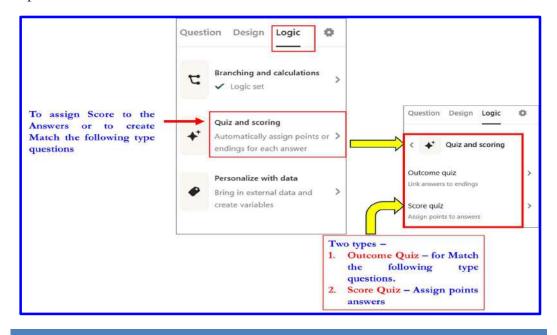


Collect Responses: Share your form link with respondents.

• click on connect to integrate the quiz with other tools like Google Sheets, etc as shown below:

		c	reate Connect Share Results		
Connect Typeform your favorite apps	to	Q. Search i	ntegrations	×	
Create workflows that work for 3 Spend more time walking Kobe. Izard. Categories		×	HubSpot Send contact, company, or deal info to HubSpot to quickly follow up on new leads or update existing details to your free HubSpot account.	Connect	
Ali	72				
Analytics & reporting	18				Click here and
Automation	1		Google Sheets	-	following step to connect the
CMS	1	⊞	Send your data straight to Google Sheets. Automatically syncs as results come in. <u>View your spreadsheet</u>	• •	quiz with it
Collaboration	4				quie with it
Customer support	2				
Developer tools	5	-	Excel	(manufacture)	
Documents	2		Send your typeform responses to Excel Online. Turn feedback into graphs. support queries into workflows, and much more,	Connect	
File management	4				
Lead generation	11				
Marketing automation	34		Google Analytics Paid		
Payments & e-commerce	1		Discover how people find and interact with your typeform. Get the data you need to measure campaigns, improve conversions, and more.	Connect	
Productivity	6				

To add the scores to the answers of all the questions or to create "match the following" type questions, click "Logic" and select the "Quiz and Scoring" option as shown below.



To assign points to quiz answers, click on "Logic" and choose "Scoring quiz" as demonstrated below. Remember to save the scores after assigning points to all questions.

V	'hich of the following is NOT an example of hardware?	
A	Keyboard	o
	Printer	0
c	Operating System	1
D	Monitor	0
	hich of the following is an example of a programming language	· · · · · · · · · · · · · · · · · · ·
A	hich of the following is an example of a programming languag HTML CSS	ge?
B	HTML	0

**Note:** To create Score Quiz, there should not be any endings defined on the quiz and also Outcome quiz should not be applied on it.

To make the participants take the quiz and to collect the responses, first publish the quiz on clicking "Publish" button at the top right corner copy the link and share it with others:

My workspace / ICT Q	uiz	Create Connect Share Results	٥	Publish View plans	9
Content	+			Question Design Logic	1
1 Which of the following     NOT., hardware?     Which of the following     an exampl., lange	owing a	Questions		Type Multiple Choice	
✓ 3 Which of the follow NOT a typr net/	owing is work?	Description (aptional)		Settings Required	0
<ul> <li>Which of the follow NOT e service?</li> <li>Which of the follow the follow of the follow an exampl nt system</li> </ul>	owing is	Printer     Operating System		Multiple selection Randomize	(
indings	+	Monitor  Add choice		"Other" option	(
				Vertical alignment Image or video	4

My workspace / ICT Quiz		-		Cre	ate Connect	Share Results	
	INSIGHTS	SUMMA	RY RESPONSES [	1			
	🖬 Ali t	ime 🗸	嘴 All devices 🛩				
	Big pi	cture					
	views 1	Starts 1	Submissions 1	Completion rate	Time to comp		

Click on "Results" tab at the top to see the results obtained from the quiz:

When clicked on the Summary tab, it will display the summary of the quiz. Click the "Generate a Report" button to generate the report. To view responses in the integrated Google sheet click on Google Sheet Icon given below:

~ 1	Which of the following is NOT an example of hardware?			Generate a report
	Operating System	t resp.	100%	Share your results with anyone. You report automatically updates as nev answers come in
	Keyboard	G røspe	094	Connect to your apps
	Monitor	D resp.	0.96	Connect to your apps Eand data where you need it, set up notifications, and more. Work (marter, not banded
	Printer	0 resp.	096	Discover more

Click on Responses to view the responses of all the questions:

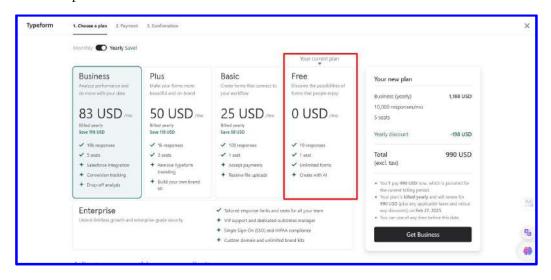
orkspace / ICT Quiz								
		INSIGHTS SUMMARY RESP ets Q. Searchtresponses	owses (i)				=00 🕢	
	C withe A a st	es of seaturiesponses						
O Data	Which of the following is NOT an estimate c-	1 Which of the following 1 I was exempted to:	Which of the following is NOT + type of	Which of the following a NOT a cloud street.	Which of the following (	Which of the following is NOT a type of cyb.	What dense are post or effortable.	Hav alter da yau social media
5 Mer 2234	O Operating System	Google	CAN	Doud	Adobe Photoshop	Frowall	Smartphone	I don't use social mi

Responses synced with the Google Sheets are given below:

9 9	and the second s					Sec. Sec.			dia ta			
Quiz on IC File Edit \		78 Alexandra and an	Tools Extensi	ons Help	1					- 🖯 Shar	e •	C
	5 100%	- s % .	0, .00 123	Defaul •	- 10 +	B I 🗢 🔺	• ⊞ E	- E • ± •	•  ≠  • A •	1	^	C
* fx A	8	с	D	E	Ŧ	G	н	1	4	к	i.	1
Which of the following is NOT an example of hardware?	Which of the following is an example of a programming language?	Which of the following is NOT a type of computer network?	Which of the following is NOT a cloud storage service?	Which of the following is an example of a database management system?	Which of the following is	What device are you most	How often do	knowledge of	Submitted At			
Operating	Goode	CAN	iCloud	Adobe Photoshop	Firewall	Smartphone	l don't use social media.		3/5/2024 9:06:0	v9yqvio80502q zoax1v9yqvuwl		
	File Edit \	Quiz on ICT + D & File Edit View Insert F 5 2 6 5 100% *   ± A 9 Which of the following is NOT an example of hardware?	Quiz on ICT ★ E     ★     ★       File Edit View Insert Format Data       5 2 €     5 100% - \$ % 4       *     ★       A     B       C       Which of the following is an example of hardware?   Which of the retwork?	Quiz on ICT ★ E         File Edit View Insert Format Data Tools Extension         5 2 3 3 100% - \$ \$ % 0, 00 123         • ★         A         B       C         Which of the following is an example of hardware?	Quiz on ICT ★ ID ←       File Edit View Insert Format Data Tools Extensions Help       D C ⊕ ID 00% - S % 0, 09 123 Default -       V I ★       A       B       C       Mich of the following is an NOT a type of NOT a cloud or programming language?       Not an example of hardware?	Quiz on ICT * D     D       File Edit View Insert Format Data Tools Extensions Help       D     C       D     C       A     B       C     D       E     File       Which of the following is an example of a more anapted for programming language?     NOT an type of service?	Quiz on ICT     ★     D     C     Quiz rer       File     Edit     View     Insert     Format     Data     Tools     Extensions     Help     Quiz rer       ★     2     3     100% +     5     %     0     .00     123     Defaul +     -     10     +     B     I     .00       *     ★     3     C     D     E     F     O       Which of the following is an example of NOT an example of hardware?     Which of the following is an induced     NOT a type of computer     NOT a type of service?     Which of the system?     Which of the cyber attack?     What device comfortable	Quiz on ICT $\dot{\mathbf{x}}$ $\mathbf{D}$ $\boldsymbol{\otimes}$ File Edit View Insert Format Data Tools Extensions HelpQuiz responses synchwith Google Sheets $\mathbf{D}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{D}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{D}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{D}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{D}$ $\mathbf{C}$ $\mathbf{D}$ <	Quiz on ICT $\dot{\mathbf{T}}$ $\dot{\mathbf{D}}$ $\dot{\mathbf{C}}$ Quiz responses synched with Google SheetsFile Edit View Insert Format Data Tools Extensions HelpQuiz responses synched with Google Sheets $\mathbf{D} \neq \mathbf{C}$ $\mathbf{C}$ $\mathbf{D} \neq \mathbf{C}$ $\mathbf{D} \neq \mathbf{C}$ $\mathbf{C}$ $\mathbf{D} \neq \mathbf{C}$ $\mathbf{A}$ $\mathbf{B}$ $\mathbf{C}$ $\mathbf{A}$ $\mathbf{B}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{E}$ $\mathbf{F}$ $\mathbf{C}$ $\mathbf{D}$ $\mathbf{E}$ $\mathbf{N}$ inch of the following is an example of a programming language?Not a type of entwork?Which of the sorrise? $\mathbf{N}$ a closed service? $\mathbf{N}$ a closed system? $\mathbf{N}$ a close of using?How often do following is an example of a using? $\mathbf{N}$ a closed computer $\mathbf{N}$ a closed sorrise? $\mathbf{N}$ a closed sorrigination is system? $\mathbf{N}$ a closed using?	Quiz responses synched with Google SheetsQuiz responses synched with Google SheetsSubmitted AtSubmitted AtQuiz responses synched with Google SheetsSubmitted AtSubmitted AtSubmitted AtOut responses synched with Google SheetsSubmitted AtSubmitted AtSubmitted AtWhich of the following is an example of andware?Which of the following is an example of anguage?Which of the following is an example of a network?Which of the following is an example of a system?Which of the following is an example of a gystem?Which of the following is a<	Quiz on ICT $\dot{\mathbf{x}}$ $\mathbf{D}$ $\underline{\diamond}$ Quiz responses synched with Coogle Sheets $\mathbf{O}$ $\mathbf{x}$ \mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{x}<	Quiz on ICT $\dot{x}$ $\Box$ $\dot{a}$ Pile Edit View Insert Format Data Tools Extensions HelpQuiz responses synched with Google Sheets $\dot{b}$ $\dot{c}$ $\dot{b}$ $\dot{c}$

# Subscription Details:

Typeform offers several plans:: Free plan and paid plans starting with "Basic" plan.



# 4.1.6 QuizGecKo

Quizgecko is an AI-powered quiz generator that streamlines the creation of assessments, saving educators time and providing valuable insights. It can transform text, PDFs, and videos into engaging quizzes for various knowledge checks.

#### Features and Functionality

**AI-Powered Question Generation:** Quizgecko's AI analyzes the content and generates relevant questions for Assessment. It can generate questions for the following types of assessments:

- **Multiple Choice:** This classic format is ideal for testing factual knowledge and comprehension.
- **True/False:** Quick assessment of understanding and ability to discern accurate information.
- Fill-in-the-blank: Tests recall and vocabulary, requiring students to provide the missing word or phrase.

- Short Answer: Allows for more refined responses, evaluating higherorder thinking and written communication skills.
- **Content Input**: Upload text documents, PDFs, or video links.
- **Customization:** Review, edit AI-generated questions, add new questions, and personalise the quizzes as per the curriculum.
- Sharing and Embedding: Share quizzes via links, embed them into websites or learning management systems (LMS).
- Analytics: Monitor student progress and identify areas for improvement.

#### **Benefits:**

- **Saves Time:** Automates quiz creation, freeing up educators for other tasks.
- Enhances Assessment: Generates diverse questions for effective knowledge checks.
- **Personalized Learning:** Customizes quizzes to address individual student needs.
- Data-Driven Insights: Provides analytics to guide instruction and support.

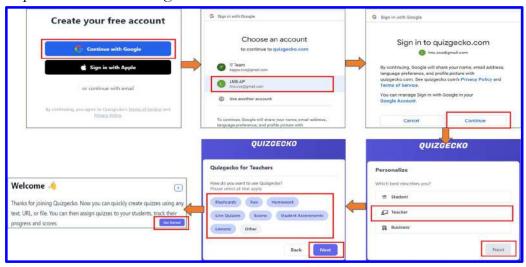
#### Source:

https://quizgecko.com/

#### Walk-Through:

<text>

Click on "Sign Up for Free" button at the Top right corner, and follow the steps discussed in the figure below:



#### Create Quiz / Assessment

To create a quiz click on "+Create" button at the top:



In any of the five (5) ways Quiz can be created:

1) Paste copied text, 2) input a topic, 3) provide a URL or YouTube video link, 4) upload a file, and 5) directly type in a question (Manual)

Creating quiz from the **copied text**: click "Generate" for the quiz to be created

QUIZOECKO Product For School For Work		+ Sancar Citrar	Elen Bylbery () Asigneen (
Create a new quiz			A Diary Assign
Greate your first guiz or test with AL by entering some content	Edit Your Quiz Show Anuerry	Export ~	Binday
below.	Save bours each week		() Bebauleur
ext Topic URL Uploads Manual	Voltatined questions, spload long Bas, espect, prior and share quickers.	View Deal -	© Data Collection
nter Your Text	1. What is the main objective of Chandroysan-3?		🗅 Summary
Chandisyaaa-3 It is follow-on mitsion to Chandisyaaa-2 to demonstrate end-to-end capability in safe landing and roving on the unar surface. It consists of Lander and Rover configuration. It will be auxched by <u>UMS from SDC SHAB. Schmakten.</u> The propulsion module will carry the lander and rover configuration ill tolla he lumar arbit. The propulsion module hes <u>Socrito- polarismenty</u> of Habitable Panet Earth (SHAPE) payload to study	Al Admentistrate non-ter-etic againtity in suite fording and existing on the locar surfaxe.     Standard stress meannement on the Moore (Section 1) of the locar subtle.     Standard the subtrained finderenetic meanuments of Earth Rein Name (Section 2)     Subtract the elementer companyies and the Maark surface     Of      Al Admentistrate and the Spectra-polarimetry of Habitable Planet Earth (SMAPE) psyload onbesed Chandrage     Al Most is the purpose of the Spectra-polarimetry of Habitable Planet Earth (SMAPE) psyload onbesed Chandrage	- 0 989-32	
Austion type Language Multiple Choice V English V	Al Bitmats the plasma density and its constraints are the lower surface     Bitmature service measurements are the Moon     O Measure the mean and subdictivity or we requires are the Moon     Bitmaty the service and Advancements are surface     Here the service and advancements are surface		
ifficulty Max Questions 🗇	10 Q	10	
Medium v 5 v	3. Which instrument onboard Chandraysan-3 is responsible for estimating the plasma density and its variations?		
Generate	A) Langmain Pected (UP)     Bonnethyseuel Experiment (EndSTE)     Country's Surface Transitions Sectorescent (EndSTE)     Charter Water Emailtement Sectorescent (END)		

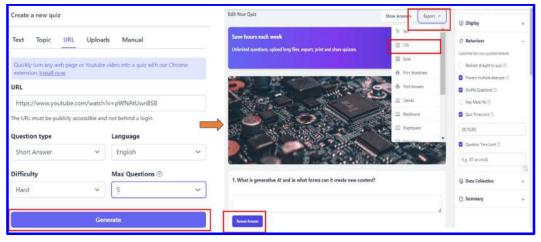
rts the Ouiz	Chandrayaan-3: India's Lunar Mission 🌮 אילאשעולאניאניי	
attempt	Quiz Rehards	Quiz Questions as Flash Cards Share the Quiz with the following links
		Share with Link or Code
	5 Questions	Share this link: https://quizgecko.com/quiz/solar-energy-harnessing-the-suns- radiance-quiz-jtlm14
	What is the main objective of Chandrayaan-37	Or ask participants to enter join code: jtlm14 at quizgecko.com/join
	What is the purpose of the Spectro-polarimetry of Habitable Planet Earth (SHAPE) payload onboard Chandrayaan-3?	Ÿ ■ §
		<u>ॻ∎ ∉</u>
	(SHAPE) payload onboard Chandrayaan-3? Which instrument onboard Chandrayaan-3 is responsible for estimating the	ST     Image: State S

**AI-generated Quiz from the "Topic"**: make the quiz questions appear randomly by "tick marking" shuffle questions, define pass %, Quiz Time limit, etc. You are allowed to "Edit/Delete" the questions generated. finally after "edit" it has to be saved by clicking on "Save" button

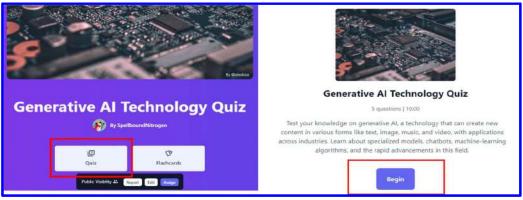
	Behaviour	Choose File No file chosen
- my any you at a me that may get a we do		Upload an image of GF. Max file size: 4NB
1. సౌర ఊరుకలు ఉద్యోగాలలో ఉపయోగించడం సాధ్యము.	Customize howyour quizitest	Question
A) True	behanes.	సార ఊరుకలు ఉద్యోగాలలో ఉపయోగించడం సాధ్యము.
B) False	Refirect straight to quiz	
D) FAISE	0	Antichown sertas and Lalexare supported here.
	Prevent multiple attempts	Answer A
1.01		Answer A
69 /	0 Shuffle Questions ()	ine
	annie dreana ()	Answer B
2. సౌర ఊరుక వేల భద్ర మూల రుష బ్యాటరీ స్టోరేజీ.	🕑 Pass Mark (%) 🛞	False
2. సాం డాయ్య ఎల్ బైద్ర మూల రువ బాక్టోటర్ న్లై రజి.	707	Correct Answer
) A) True	70	B (False) 🗸
B) False	🛛 Quiz Time Limit 💮	Answer Info (optional)
	73	సార ఊరుకలు నిజంగా ఉద్యోగాల వ్యవహార వైద్యం.
	00:15:00	
69 /	D Question Time Limit (1)	This will be shown to the user after they answer the question.
	C Growning Die	
		Cancel

Creating Quiz from the URL: It will generate quiz questions from the content in the link you provide. This quiz will have short answer questions.

To get a printed worksheet, click on the "Export" button and choose "Printed Worksheet".



Conducting Quiz or start Quiz: click on "Quiz" and then on "Begin" to take the quiz.



While taking the Quiz, it will display one question at a time in random order one after the other. Finally, click on the "Finish" button. Result will be displayed at the end of the quiz.

How is innovation in generative AI impacting businesses and technology?	Correct Advancements in generative A are bringing forth new busines: concepts and selections to previously challenging problems in a napidly workning technological landscape.
2 dent	Red Continue
Yes! Chatbots, as part of generative AI, can assist in tasks related to writing, presentations, and marketing ideas.	Vour Score 80%
	View Test Sheet →
Print,	Review Questions & Notes Study Flashcards



#### View the Analytics Dashboard of the Quiz conducted:

Report: Generative Al 1	echnology Quiz	Score Distribution @		
Questions Participants	5 questions 1	ал. ил. ни		
Avg. Score Participants Overview	80%		80 9049	
PARTICIPANT	STATUS	STARTED AT	SCORE	Full Export
LMS AP Ims.coe@gmail.com	Completed	7 minutes ago Feb 24, 2024 10:17 AM	80%	Includes each participant's enswer Simple Export Simple summary of correct end incorrect questions

**Share and Collaborate:** click on "my library" to see the quizzes created by you. Select any of the quiz and share it with others as shown in figure below:

				Share	
		0	- fresh	Share Link Embed	
à Create a bilder				Public	
				Anyone with the link can take your quiz. Hease note, this setting does not apply	to assignments
			Search	Invite Specific Peepie	
				Enter email addresses	inste
< Shes	Solar Energy: Hamessing the Sun's Radiance Quiz as Stronger up - 195 // Vigotance, Analysis		-	Optional Welf ennail them a unique link to take the quic, the can paste multiple email addresses separated by commas or spaces.	
G blate a serry	64	R Anipi	(me)	Share Link	
· Getate				https://quizgecko.com/spik/generative-ei-technology-quiz-Zm3yp	
	< Share III Report G. Mater a supp III Mater a supp	Chars Get 24 Report 4 Get 24 Get 24 Support 4 Get 24 Support 4 Support	Solar Energy Hamesing the Son's Radiance Solar Energy Total Source Sont Solar Energy Solar Energ	Solar Energy Harnessing the Sari Radiance     Out a     Solar Energy Harnessing the Sari Radiance     Solar Energy     Solar ange     Solar Energy     Solar ange     Solar ange     Solar Energy     Solar ange     Solar Energy     Solar ange     Solar Energy     Solar ange     Solar Energy     Solar Energy	Share

#### **Subscription Details:**

Different pricing plans are offered based on user types, such as Student plans, Teacher plans, and Work plans. Details of all the plans are outlined below:

66% dacount applied Study better with Quizgecko Premium Just for students. Upgrede today and generate unlimited quizzes *		2	Get back hou Crease online galizes galdely and effort and embed. Test employees, con	energ <b>rs of your time</b> assiy from any context. Early share, as set leads or engage your audience. repealed assist –	
Yearly special conter Amount billed today: \$64 /year \$ special conter	Monthly Amount billed today: \$16 /month	Basic \$18,merts Saw CE - Veneral Erloser	Phymototic (C) Phys \$48 inneniti Sine (1922 - Scientical (LPAcyan)	Perywety:3 namta hec Premium \$90,mom See 1664 sing s31ttilliper	Interplice non \$5000 moder line para
Gel 12 months for the party of 4.	Opgrade Today	Buy/Res 2007 character spec ministra 2000 character spud 2000 character spud 2000 character 2000 characte	Buy Tate Tractor Instance & MARC 	Pag Ren EXERTITUES IN FULL - United in requests and south of the second second second second United second sec	Bet Durke OVERTITIONS III PERMININ + Calibre event Calibre character impat Calibre downer United appear Calibre downer Calibre downer C

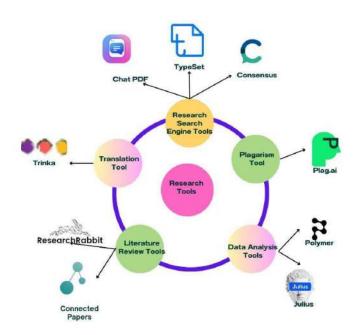
**Note:** You cannot create assignments with the basic (free) plan. However, upon subscribing as an educator, assignment creation becomes available.



Feature	SurveySparrow	LimeSurvey SurveyMonkey		Typeform
Focus	Conversational	Open-Source	Well-rounded	Design
Ease of Use	Moderate	Moderate	Moderate High	
Customization	High	High	Moderate	High
Advanced Logic	Yes	Yes	Yes	Yes
Design	Good	Basic	Good	Excellent
Pricing	Tiered	Free	Tiered	Tiered

# Comparison of AI-powered Survey Tools

# CHAPTER – 5 AI IN RESEARCH & DATA ANALYSIS



# CHAPTER 5 AI IN RESEARCH & DATA ANALYSIS

#### 5.1 AI Tools for Research

Navigating the vast ocean of research can feel overwhelming. Unpacking dense academic papers, extracting key findings, and ensuring flawless presentation often require precious time and expertise. Enter the world of AI-powered tools specifically designed to streamline your workflow and empower your scholarly endeavours. This section delves into four innovative solutions: Connected Papers, Research Rabbit, Consensus.app, ChatPDF, TypeSet.io, and Trinka.ai. Each tool tackles unique challenges, from summarizing complex papers to answering questions buried within PDFs, converting formats with ease, and refining your writing for publication. Buckle up, as we explore how these AI assistants can transform your research journey, unlocking efficiency, clarity, and deeper understanding.

#### 5.1.1 Connected Papers - Online Visual Tool for Research

It is an innovative online visual tool designed to help academics, researchers, and students explore scholarly literature in a visually interactive environment. It helps to find and explore papers relevant to their field of work in a visual way. Upon entering an origin paper, this tool generates a graph. To achieve this, they analyse about 50,000 research papers, and select the ones with the strongest connections to the origin paper.

#### **Key Features of Connected Papers**

- **Graph-Based Exploration:** Connected Papers allows you to build a graph of similar papers in a new academic field. You start by entering a paper identifier (such as DOI, arXiv URL, or paper title), and the tool generates a visual graph of related works.
- **Prior and Derivative Works:** It helps you discover important ancestor works related to your field of interest. Additionally, you can explore literature reviews and recent state-of-the-art papers that followed your input paper.

- **Bibliography Creation:** Use Connected Papers to create the bibliography for your thesis. Start with the references you definitely want, and let the tool fill in the gaps.
- **Cross-Disciplinary Support:** Whether you're a machine learning researcher, biologist, or philosopher, Connected Papers leverages the Semantic Scholar database, which covers a wide range of scientific fields.

#### Functionality of ConnectedPapers.com

- Enter a paper identifier (DOI, arXiv URL, or title).
- The tool analyses around 50,000 research papers and selects those strongly connected to the origin paper.
- It generates a visual graph of related works.

#### Usage in Research Processes:

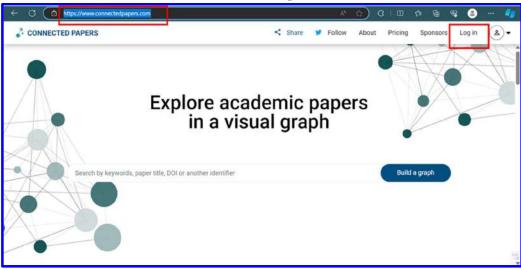
- **Research Discovery:** Explore trends, popular works, and dynamics in your field.
- Efficient Literature Review: Quickly find relevant papers.
- Thesis Bibliography Creation: Fill in missing references.
- Understanding Prior and Derivative Works.

#### Source:

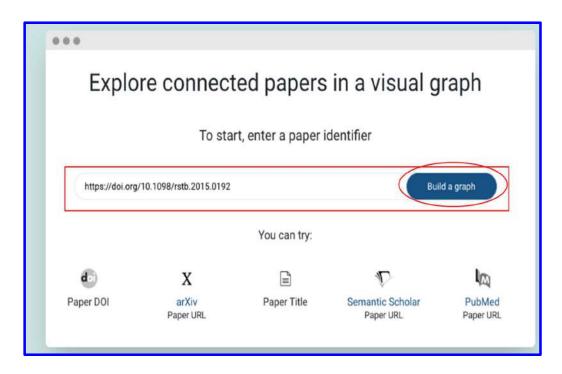
#### https://www.connectedpapers.com/

#### Walkthrough:

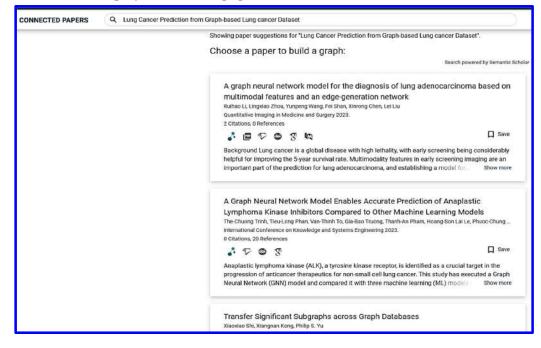
• Create an account. It is free of charge.



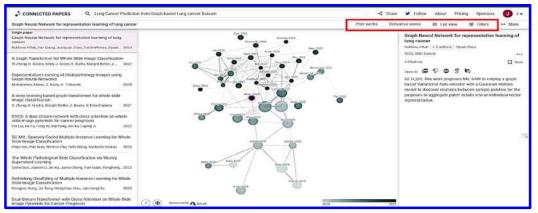
Click on Connected Papers on the upper left corner highlighted in red colour circle to find connected papers in visual graph by entering the paper title or arxiv URL or doi or the paper's URL from arXiv, PubMed, or Semantic Scholar. Then click on "Build a graph.



Then it will display the related papers as shown below:



Now, upon selecting one of the papers, it will display three panels and a graph of the connected papers at the centre panel. Each node of the graph is a research paper related to the origin paper (selected paper). Rather than a basic citation tree, the papers are arranged according to their similarity. The size of a node represents the number of citations. The color of a node represents the publishing year—lighter is older. Highly similar papers are represented with stronger connecting lines that tend to cluster together as shown below:



#### Explore the Graph:

You can scroll through papers in the left panel. Whenever you click on a paper there, it will be highlighted on the graph. You can also navigate the graph by clicking on specific nodes. Both options will update the right-side panel with more information about the selected paper.

When clicked on List view on the top right corner of the screen, it will display the connected papers as a list shown below:

Graph Neural Network for representation learning of lung cancer	for works Der	mvative works 臣 List view 是 Filters *** More						
List view Title \$	Authors #	Year \$	Citations 0	± Dow References ♦	nibat X Similarity • to origin	A Graph-Transformer for Whole Slide Image Classification Ys 2morg - 3 actions V Kolachalama		
Craph Neural Network for representation learning of lung cancer	Rukhma Añzb, Yan Diong, Juanjuan Zhao, Ziu Unchman, Zijuan Zhao	3023	0	41	100	2022, IEEE Transactions on Medical Anaging		
A Graph-Transformer for Whole Side Image Classification	Yi Zheng, R. Gindra, Emily J. Green, E. Sarko, Margrit Belke, J. Brane, Y. Kolachalama	2022	47	4	21.8	6000 # 🛱 🛤 🕫 👁 S 🍋 X		
Representation Learning of Histopathology Images using Graph Neural Networks	Mohammened Adroam, S. Kalim, H. Türhoonh	2020	77	36	18.6	Congrade + Add orgin Deep learning is a proverful tool for whole slide image (WS analysis. Typically, when performing supervised deep learn at WSI is divided imis small particles, trained and the outcor are appropriated to estimate disease grade. However, putch based methods is tobdock table mice during training by		
A deep learning based graph-transformer for whole slide image classification	Y Zheng R. Grains, Margin Belie, J. Beave, V Halachalama	2027	٠	30	12.4			
DSCA: A dual-stream network with cross-attention on whole-slide image pynamids for cancer prognosis.	Pei Liu, Bo HL Peng Ye, Rui Yang, Bin Ru, Luping Ji	2022	1	38	16.1			
SC-MIL: Sparsely Coded Multiple Instance Learning for Whole Slide Image Classification	Peijie Gia, Pan Xiao, Wethul Zhu, Vain Wang, Adsteids Sofras	2023	0	40	15.8	assuming that each patch is independent with the same labe as the WSI and neglect overall WSI level information that is significant in disease grading. Here we present a Graph-		
The Whole Particiogical Slide Classification via Weakly Supervised Learning	Gleire Sun, Jawen Li, Jin Xu, Jamu Cheng, Tian Guan, Yang Kang He	2023	0	40	148	Transformer (GT) that fuses a graph-based representation of an WSI and a vision transformer for processing pathology		
Rethinking Overfitting of Multiple Instance Learning for Whole Slide mage Classification	Honglian Song, Jie Tang, Hongzhao Xiao, Juncheng Hu	2023	0	20	147	images, called GTP; to predict disease grade. We selected 4,818 WSIs from the Clinical Proteomic Tumor Analysis		
Dual Stream Transformer with Cross-Attention on Whole Slide mage Pyramids for Cancer Prognosis	Per Liu, Go Fu, Feeg Ye, Rai Yang, Din Xu, Luping Ji	2022	1	53	14.4	Consortium (CPTAC), the National Lung Screening Trial (NLST), and The Cancer Genome Atlas (TCGA), and used GTF to distinguish advincercinoma (LUAD) and sguamous cell		
Revisiting Whole Silde Image Pyramids for Cancer Prognosis via Juai Stream Networks	Pei Log Ro Fog Foreg Ye, Rol Yang, Bin Xog Luping Ji	2022	D	54	142	carcinoma (LSCC) from adjacent non cancerous tissue (normal). First, using NLST data, we developed a contrastive		
Nhole Slide Images are 20 Point Clouds: Context-Amare Survival Prediction using Patch-based Graph Convolutional Networks	Richard J. Chen, Ming Y. Lu, M. Shaban, Chengkuan Chen, Tiltany Y. Chen, Drew F. K. Williamson, Taikal Mahmood	2021	78	37	13.6	learning framework to generate a feature extractor. This allowed us to compute feature vectors of individual WSI patches, which were used to represent the nodes of the grapi		
ProtoDiv: Prototype-guided Division of Consistent Pseudo-bags for Whole-slide Image Classification	Rui Yang, Pestus, Luping Ji	2023	2	26	124	followed by construction of the GTP framework. Our model trained on the CPTAC data achieved consistently high		

To explore the papers that are **not** included in the main graph but are likely relevant to your chosen topic can be found using the any one of the two buttons: "Prior works" and "Derivative works" at the top right side of the screen.

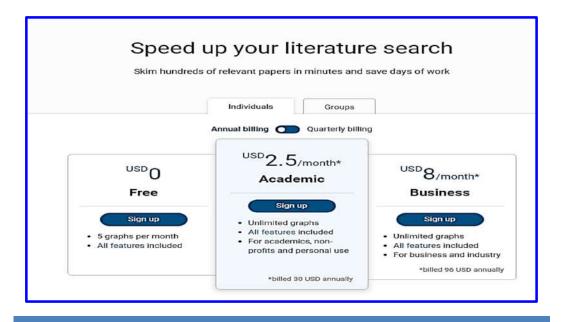
- **Prior works:** These are research papers that were frequently cited by the papers already in the graph. They are the **important foundational works** for the field. On clicking the "**Prior works**" button, it highlights all the graph papers that reference it in the left-side panel.
- Derivative Works: These are research papers that are cited by many of the graph papers. They could be either recent relevant works or comprehensive surveys of the field. On clicking the "Derivative works" button highlights all the graph papers cited by it.

If you come across a promising paper, click on "Paper Details" to open the paper link in a new window, or click on "Build a Graph" to create a new graph based on this original paper.

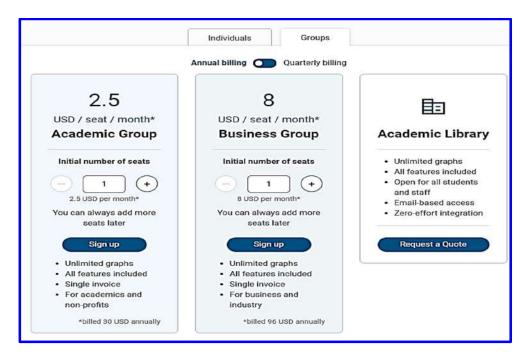
**Note:** Building the new graph takes a few seconds; there will be a progress bar to keep you informed.

#### **Subscription Details:**

• It is free to use, and premium subscription is available for an Individual and groups also.



Group plans deliver an insightful and productive literature analysis platform for teams and organizations aiming to augment their research capabilities via premium access to Connected Papers.



# 5.1.2 ResearchRabbit Tool - Citation-based Literature Mapping Tool

It is a powerful citation-based literature mapping tool designed to assist researchers, academics, and students in navigating scholarly literature effectively. The aim of it is to minimise the time searching for references for paper, article, project, or literature review. Literature mapping can be done using one or more papers called seed papers and the tool finds more papers relevant to the topic. This tool supports the research activity without switching between searching modes and databases.

#### Features:

- **Graph-Based Exploration**: ResearchRabbit takes one or more **seed papers** and suggests relevant literature using advanced algorithms. It creates a visual graph of related works.
- Ancestor and Derivative Works: Discover important ancestor papers and explore recent state-of-the-art research related to your field.



- **Bibliography Creation**: Use it to build your thesis bibliography by starting with known references and letting the tool fill in the gaps.
- Citation-based Recommendation Engine: Intelligently suggests papers related to your research interest based on citations and context.
- **Collaboration:** Facilitates teamwork by allowing you to share research collections with colleagues.
- Weekly Updates: Provides alerts when the AI discovers new, potentially relevant papers.
- Note-taking: Enables you to attach notes directly to papers within your collections.
- **Cross-Disciplinary Support**: Whether you're a biologist, machine learning researcher, or philosopher, ResearchRabbit leverages the Semantic Scholar database across various scientific fields.

# Usage in Research Processes:

- **Research Discovery**: Explore trends and dynamics in your field.
- Efficient Literature Review: Quickly find relevant papers.
- Thesis Bibliography Creation: Simplify reference management.
- Understanding Prior and Derivative Works.

#### Source:

https://researchrabbitapp.com/

#### Walkthrough:

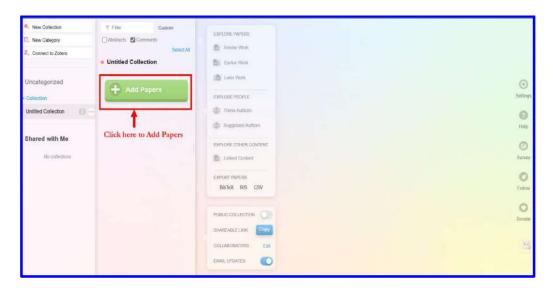
Create an account (https://researchrabbitapp.com/). It's free of charge.



Initially the collection is untitled and empty, since it was opened for the first time.

# **Add Papers**

To begin your research, click on **+Add Papers**. Choose a reference paper that you want to use. It can be a key paper related to your research question. You have the option to add just one paper or multiple papers.



Type in the title or keywords of a paper or book related to your project. You can also use things like DOI numbers to find sources. Then, just click the **Search** button. You can also upload **BibTeX** or **RIS** files.

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For example, if you enter "Lung Cancer Prediction using Graph-based Lung Cancer Dataset" in the text box to search for papers on that topic, click "Search".



Research Rabbit will show you a list of sources that match. To add papers to your collection, click the **Add to Collection** button for each one.

	Choose Papers to Power ResearchRabbit's Recommendations
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A graph neural network model for the diagnosis of la Quantitative Imaging in Medicine and Surgery	ng adaxosardinemu based en multimodal features and an edga-generation notwork
adaparteringma, and establishing a model for an	denocatcinoma diagnosis based on multimodal features is an obvious clinical need. Through our practice and investigation, we found that graph neural networks (GNNs) are excellent platforms for
multimodal feature fusion, and the data can be or According to a ratio of 80% to 20%, respectively, from computed tomography (CT) images were to finate feature vectors. Subsequently, a graph data nodes: The enabled us to cloanly undorstand with presented in this paper achieved supprior results (44.46%), area under the curve (AUC) =75.86% aspects. Conclusions: The experiments demonstra	implied using the side generation network. Therefore, we propose a new lung adesocuricitoms multiclase/faith model based on multimodal features and an edge generation network. Multiclos the dataset of 33 cases was divided in the thirting set and the level text through 54 do cross-statiation, and the distribution of the 2 sets was be same. First, the registers of interest (ROI) is cropped paratoly do the convicidional networks. (TWHISE, and radionics processing platforms. The result of the 2 sets was be same. First, the registers of interest (ROI) is cropped paratoly do the convicidional networks, with the first dataset is also cases, statiation, we do the site of the 2 multi-sets to additional the sets the theory of the same same is the site of the first and set interport of the site of the 2 multi-sets of the 2 multi-sets to additional the site of the first of the site
multimodal feature fusion, and the data can be or According to a ratio of 80% to 20%, respectively, from computed tomography (CT) images were to finate feature vectors. Subsequently, a graph data nodes: The enabled us to cloanly undorstand with presented in this paper achieved supprior results (44.46%), area under the curve (AUC) =75.86% aspects. Conclusions: The experiments demonstra	impleted using the sidge generation network. Therefore, we propose a new lung adexocuritorium multiclase/Lation model based on multimodal features and an edita, generation network. Methods here based with 30 sectors was divided in the harmy set and the let well through 54 do cross-validation, with the distribution of the let well through 54 do cross-validation, with the distribution of the let well through 54 do cross-validation, with the distribution of the let well through 54 do cross-validation, with the distribution of the let well through 54 do cross-validation, with the distribution of the let well through 54 do cross-validation, well the distribution of the constraint on the distribution of the distribution was distributed, and the distribution of t

After you finish adding papers, you will see the papers you added, and you can write comments about them. When you add a paper, Research Rabbit provides a summary and checks for a free PDF. You can also explore Similar Works related to the paper.

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Shared with Me No collections	Guessi Motian 2020 Roff-based feature fearning for efficient true positive prediction using convolutional neural network for lung cancer diagnosis Neural Committee and Approach Anovel Patway-Based Approach prediction Using Germille Genetic West Committee and Approach Anovel Patway-Based Approach prediction Using Germille Genetic Prediction Using Germille Genetic Preventions	progression of anticancer therapeutics for non-small object the Network (TSNN) models and compared it with three machine learning (ML) models and with the mathematical strength (ML) models and the ML mathematical strength (ML) models and the mathematical strength (ML) models and the promising results, with an average procession of -dee promising results, wit	All Citations      Explore record     These Authors     Suggested Authors     G     Suggested Authors     G     Lineted Content EDUPORT PAPENS
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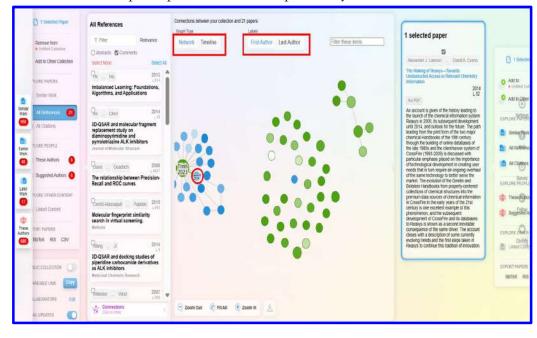
AI TOOLS IN TEACHING, LEARNING & RESEARCH

**View Selected Paper**: The selected reference paper will be shown by the app, including its abstract, author name, publication year, and journal details.

It shows a picture that lets you explore the connections between papers or authors in a scholarly network.



You can easily access the content of a source by clicking on any blue circle. This action will open up the source and provide you with access to its PDF.





In the Graph Type menu, you can change the way the graph looks and arrange the sources by their dates.

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**Explore Further**: On the right side of the screen, the app provides information on similar papers found online and explores references and citations within your selected paper.

- Visualise connections between your reference paper and similar papers the app found.
- Click on "Similar work" to visualize the closest and best connections between your reference paper and other relevant literature available online.

Abstracts Comments Select None Select Al	1 selected paper	
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Identification using RNA-seq Data from Blood Samples	* <u></u>	Similar Work 216
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Engineering in Healthcare, Medicine and Biology	database in Neo4j	All Citations
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2020	from electronic health records and other real	EXPLORE OTHER CONTENT
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#### List of Similar Works:

- All similar works are now listed in order of relevance.
- You can filter them by citations or alphabetical order.

### Abstracts:

- If you tick the "abstracts" box, the app will display abstracts for all similar works.
- This helps you quickly decide which papers are relevant to your research.

#### **Connection Graph:**

- Choose the graph type that suits your research:
- Timeline graph: Useful for discussing topics chronologically.
- Network graph: Highlights similarities between references.

#### Labels:

- The "labels" option is handy if you want to explore different authors.
- It may lead to discovering more papers and alternative research pathways.

**Note:** Abstracts are useful, but it's also valuable to explore other sections (like discussion or methodology). Don't choose papers beforehand; take time to read them and improve your research quality.



# Build Your Reference Network:

- After identifying your main connections, start building your research.
- Papers in your collection are shown in green, while potentially relevant papers appear in blue.
- As you read through references, add relevant papers to your collection. These additions create more connections.



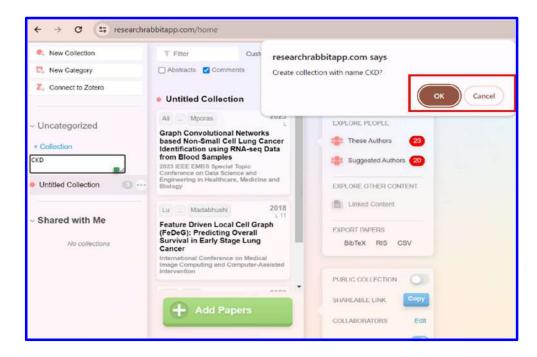
# Adding Papers:

- Click on an author's name in the graph to add papers directly to your collection.
- The selected paper will open on the right side with its full abstract displayed.
- Click "Add to" highlighted with a red colour box to include the new paper to your collection.
- The graph updates, revealing additional similar works and connections.

#### **Organize Your Research:**

- Continue adding papers to your collection.
- Create multiple collections to separate different topics or paragraphs. No need for countless open tabs—this software keeps your papers saved and organized!

**Create Collections**: You can work on multiple projects simultaneously by creating and renaming collections.



# **Subscription Details:**

• Research Rabbit is free to use.



	Connected Papers	Research Rabbit
	1. Graph-Based Exploration:	
	Creates maps of related research based on an origin	1. Quick Relevance: Efficiently finds relevant articles.
	paper.	2. Integration with Twitter and
Key Features	2. Color-Coded Maps:	News: Includes non-research
	Visualizes papers by publication date.	content.
	3. Prior and Derivative Works:	3. Keyword-Based Mapping: Creates maps based on
	Highlights seminal and	keywords.
	derivative papers.	
		1. Helps researchers quickly
	1. Provides an overview of a field.	find relevant articles.
Functionality	<ol> <li>Identifies influential papers.</li> </ol>	2. Integrates diverse content beyond research.
	3. Helps explore new areas.	3. Saves time for focused
		searches.
	1. Helps discover recent	1. Quickly delivers relevant
Relevance	impactful papers.	articles.
	2. Provides context within a field.	2. Integrates diverse content beyond research.
	Premium account needed for	-
Subscription	more than 5 maps since August	No specific subscription details mentioned.
	2022	details mentioned.
Usage in	1. Literature overview.	1. Rapid article discovery.
Research	2. Identifying key words.	2. Multi-source content integration.
Limitations	Premium account restriction.	Not Specified

# Comparison between Connected Papers and Research Rabbit

# 5.1.3 Consensus: AI Search Engine for Research - Your Research Powerhouse

Consensus is an AI-powered search engine specifically designed to expedite and simplify research processes. Let's delve into its features, functionality, and how it empowers researchers:

#### Features:

- **Natural language queries:** Ask research questions directly, eliminating the need for convoluted search strings.
- **Concise summaries:** Extract key findings from multiple sources without wading through individual papers.
- Evidence-based answers: References and confidence scores for each finding ensure trustworthiness.
- **Multiple perspectives:** Explore different viewpoints and arguments on your research topic.
- Advanced filters: Refine your search by publication date, methodology, and author expertise.
- **Integrated bibliography:** Build your reference list directly within the platform.
- **Citation analysis:** Explore how different studies cite each other, revealing influential research and potential research gaps.

# Usage in Research Processes:

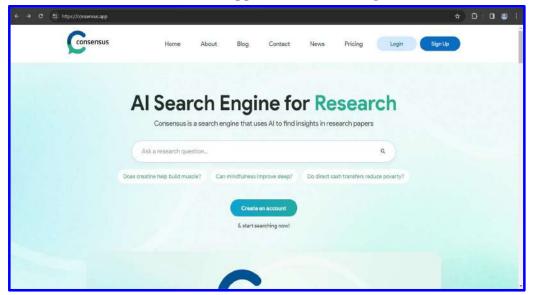
- Literature review: Identify key studies, understand research trends, and find relevant gaps.
- **Developing research questions:** Gain inspiration and refine your research focus.
- **Evaluating sources:** Assess the credibility and impact of different studies.
- **Staying current:** Quickly catch up on recent research developments in your field.
- **Building arguments:** Find supporting evidence and identify counterarguments.
- **Collaboration:** Share research findings and insights with colleagues within the platform.

# Source:

https://consensus.app/

Walkthrough of the consensus application:

# Consensus Application Home Page



Create Account or Sign in with existing Google Account

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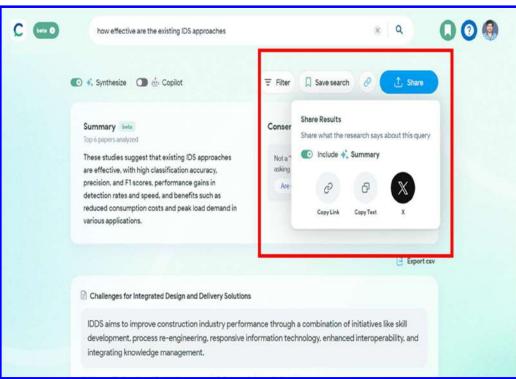
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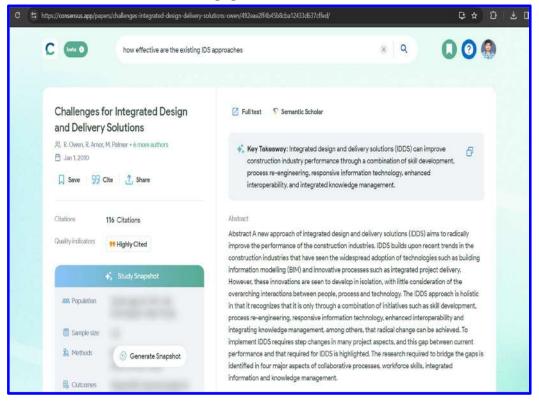
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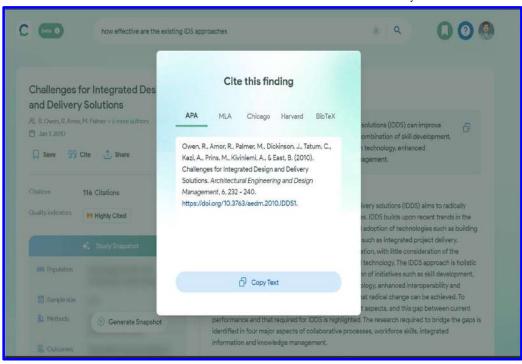
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Te	stores for Cyber Introsion	The proposed ensemble approach effectively selects key regimes for cyber intrusion	Adel Binbusayyis, Thavavel Vaiyapati	1019	4	in today's interconnected era, intrusion detection		ILEE Access	x	10.1109/ACCESS.2 019.2925487	https://consensus.app/paper s/Identifying-benchmarking- features-cyber-intrusion-	
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Đ	words an Information-Theoretic intervork for Analyzing Intrusion function Systems	This paper proposes an information-theoretic framework for analyzing and	G. Gu, Praklast Fogla, D. Dagori, Wanke Lee, B. Škorić	1005	45	IDS research still needs to strengthen mathematical				10.1007/11.063008 _22	https://consensus.app/paper s/towards isformationtheoretic-	
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#### Share the list



#### Click on a paper to view the abstract

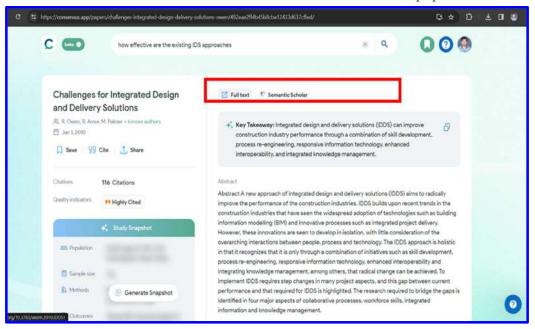




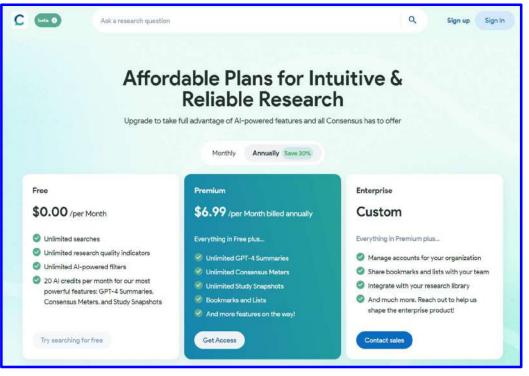
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# 5.1.4 ChatPDF: Your AI Chat Companion for Research

ChatPDF, not officially related to Bing AI (previously Copilot), is a unique AI-powered tool designed specifically for interacting with PDFs, particularly research papers. Let's explore its features, functionality, and benefits for researchers:

# Features and Functionality:

- **Conversational interaction:** Ask questions about the PDF content directly, in natural language, like you would a research assistant.
- Key point extraction: Get quick summaries of research papers, highlighting key findings and arguments.
- **Contextual understanding:** ChatPDF uses AI to understand the context of your questions and respond accordingly, unlike simple keyword searches.
- **Multi-page reference:** Refer to specific sections of the PDF based on page numbers or concepts mentioned in your query.
- Multiple language support: Translate research papers or your queries into various languages for accessibility.
- **Citation highlighting:** Identify and extract relevant citations within the PDF for your own research.

#### Usage in Research Processes:

- Literature review: Quickly grasp the content of multiple research papers and identify relevant ones for your specific topic.
- **Deep understanding:** Delve deeper into specific aspects of research papers by asking focused questions and getting detailed answers.
- **Critical thinking:** Use ChatPDF as a starting point for your own analysis and interpretation of research findings.
- **Collaboration:** Share research summaries and insights with colleagues through the chat interface.
- Accessibility: Access and explore research papers even if they are in a different language.

#### Source:

https://www.chatpdf.com/



# ChatPDF Application Home Page

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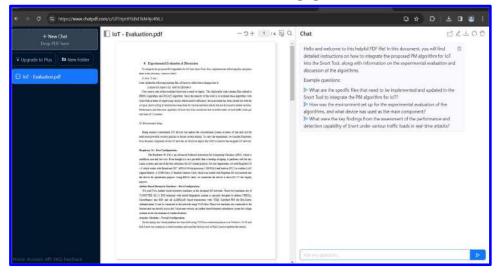
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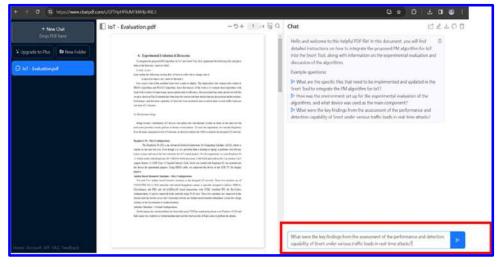
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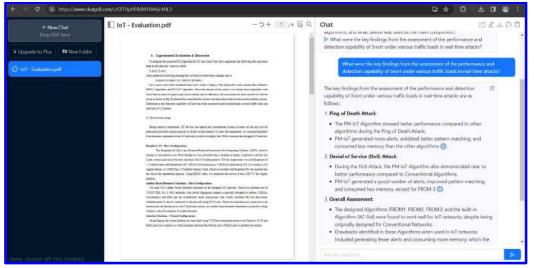
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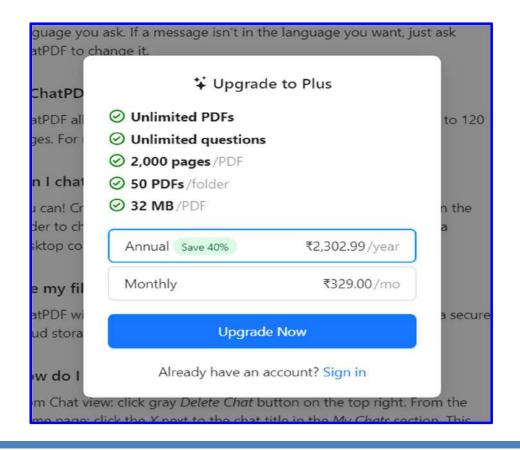


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ChatPDF offers both free and paid plans. The free plan allows you to use it for free with 2 PDFs every day, each up to 120 pages. ChatPDF Plus paid plan provides increased usage limits, higher resolution summaries, and advanced features like citation extraction and language translation.



# 5.1.5 TypeSet.io for Research: Your AI-Powered Research Assistant

TypeSet.io, previously known as SciSpace, is a powerful platform harnessing AI to empower researchers throughout their research journey. Let's delve into its features, functionality, and how it impacts research processes:

### Features and Functionality:

- Literature review and search: Explore a vast database of over 200 million research papers across diverse fields. Utilize AI-powered search tools and personalized recommendations to pinpoint relevant studies.
- **Paper reading and analysis:** Enhance your reading experience with annotation tools, summarization features, and an AI-powered "Copilot" that explains complex concepts within papers.
- Writing and collaboration: Craft research papers, proposals, and other documents with an AI-powered writing assistant that provides style suggestions, checks grammar, and even offers content paraphrasing. Collaborate seamlessly with co-authors through real-time document editing and annotation tools.
- **Reference management and citation generation:** Automate reference management and effortlessly generate citations in various styles using TypeSet's integrated tools.

#### Usage in Research Processes:

TypeSet.io aids researchers in multiple stages of their work:

- **Planning and discovery:** Find relevant research faster through AIpowered search and recommendations. Gain deeper insights into existing literature via summaries and analysis tools.
- **Reading and comprehension:** Grasp complex concepts using the "Copilot" feature and annotate papers efficiently.
- Writing and composition: Streamline writing with AI-powered suggestions, improve clarity, and avoid plagiarism with citation tools.
- **Collaboration and sharing:** Work seamlessly with co-authors and share research in real-time.

#### Source:

https://typeset.io/



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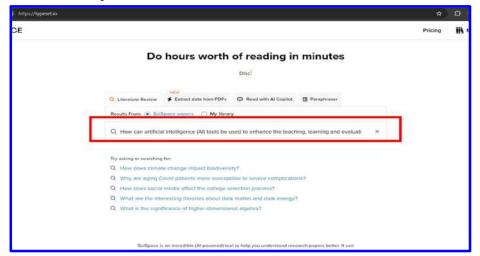
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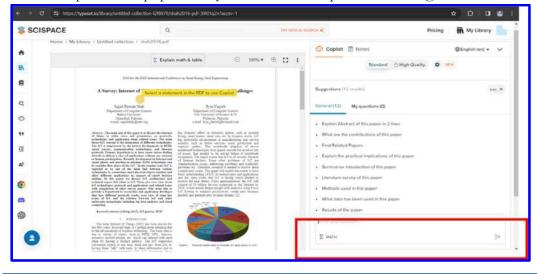
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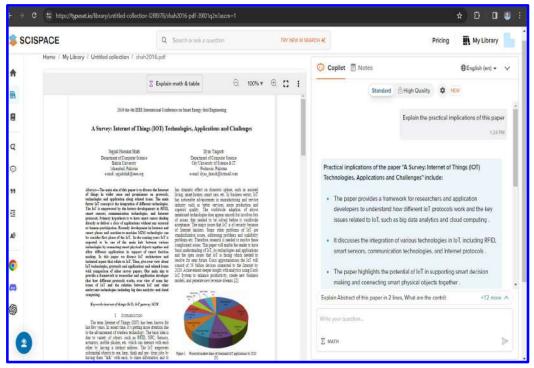
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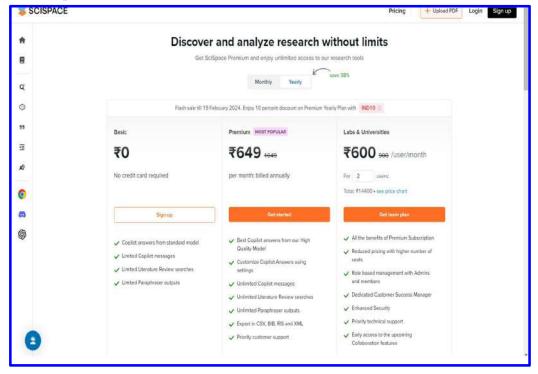
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# 5.1.6 Trinka.ai for Research: Enhancing Academic Writing and Publishing

Trinka.ai isn't solely focused on AI tools for teaching and learning, but it offers features specifically beneficial for researchers. Here's a breakdown of its functionalities and applicability in the research process:

# Features:

- Advanced grammar checking: Identifies and corrects complex grammatical errors beyond basic checkers, focusing on academic writing mechanics.
- **Contextual spelling correction:** Recognizes and rectifies errors considering the research domain and terminology.
- Academic phrasebank: Offers suggestions for specific phrases and expressions commonly used in scholarly writing.
- **Clarity and conciseness improvement:** Identifies redundancies and suggests edits for streamlined and focused writing.
- Tone and style optimization: Adjusts the tone and style of your writing to align with different academic fields and publication requirements.
- **Citation format checker:** Ensures correct formatting of citations according to various styles (APA, MLA, Chicago, etc.).
- **Plagiarism detection:** Flags potential plagiarism from a comprehensive database, encouraging ethical writing practices.

# Usage in Research Process:

- **Manuscript development:** Improve the quality and clarity of your writing before submission.
- **Grant proposals:** Ensure smooth reading and adherence to specific proposal guidelines.
- Literature review: Analyze existing research for clarity and accuracy.
- **Dissertation and thesis writing:** Refine your writing for professional presentation and publication.
- **Collaborative writing:** Ensure consistency and style across research papers from multiple authors.

# Source:

https://www.trinka.ai/

# Walkthrough of the Trinka Application:



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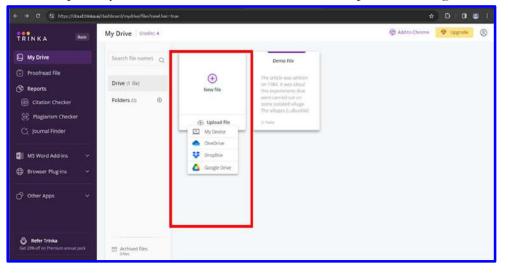
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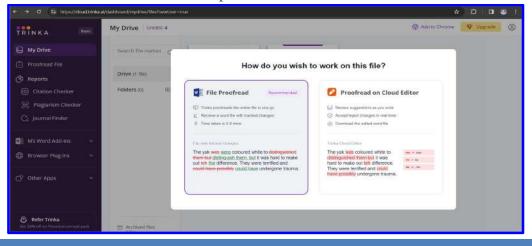
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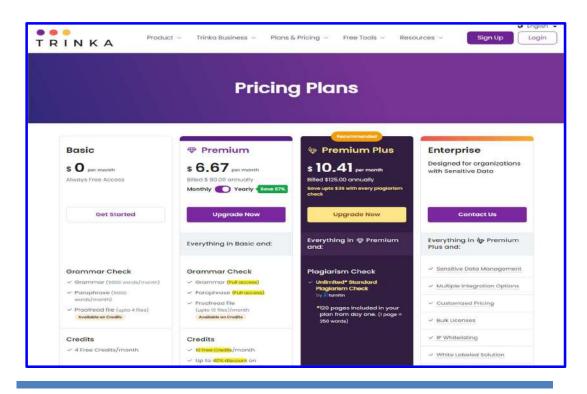
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# 5.1.7 Plag.ai for Research: A Tool to Ensure Originality in Writing

Plagiarism is when you copy someone else's ideas or words without giving them credit. Plag.ai is a website that checks written work for plagiarism. It is an AI-powered tool that analyzes written content to find instances of plagiarism. By comparing documents to a vast database of scholarly articles and other sources, it helps students, teachers, and researchers make sure their work is original.

#### Features:

- **Plagiarism Detection:** Scans documents for similarities with online sources and existing content.
- **Report Generation:** Provides detailed reports highlighting plagiarized sections including the AI generated content.
- **Similarity Score:** Measures how closely your content matches existing sources.
- **Paraphrase Score:** Identifies rephrased content.
- Improper Citation Score: Flags incorrect or missing citations.
- Color-Coded Matches: Highlights plagiarized sections for easy editing.

# **Functionality in Education:**

- Helps teachers detect plagiarism in student assignment submissions, ensuring academic honesty.
- Enables students to check their work for unintentional plagiarism before submission.
- Supports researchers in verifying the originality of their work and avoiding duplication.

# Benefits for Teaching, Learning, Evaluation, and Research:

- Promotes academic integrity by discouraging plagiarism.
- Enhances the quality of research papers and academic submissions.
- Streamlines the evaluation process by flagging potential plagiarism for review.

#### Source:

# https://www.plag.ai/



# Walkthrough:

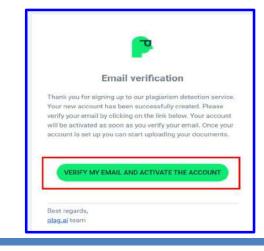
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Sign Up / Login: If you're a new user, click the sign-up button. After that, you can log in using the email ID and password you provided during sign-up for all future logins.

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© 2024 Plog	

Next do the email verification by opening your mail box and clicking on "Verify email and activate the account button" as shown below:



Give your name, country and language and click the "Finish" button in your landing page.

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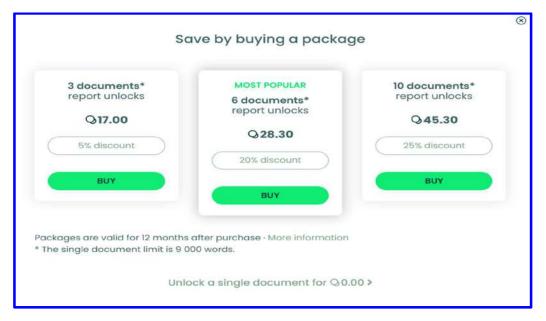
To check AI content similarity, click on "AI Content Check" in the left panel. Next, click on the "check for free" button, and then either paste your text and click on "Upload Text" or upload the document file and click on "Upload File" as demonstrated below:

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To get the detailed reports of both AI content check and plagiarism check, and for plagiarism removal you need to purchase the plan as per the requirement.

#### **Subscription Details:**

Plag.ai offers different subscription plans with varying features and limits on the number of checks you can perform per month.



Comparison of AI Research Tools for Different Needs:

Feature	Conne cted Paper s	Rese arch Rab bit	Conse nsus.a pp	ChatP DF	Type Set.io	Trinka
Primary Focus	Literat ure review & discov ery	Curat ed know ledge & searc h	Summa rizing researc h papers	Answe ring questi ons from PDFs	Conve rting resear ch papers to differe nt	Gram mar & Writing Improv ement

					format s	
Key AI Functio nality	Analyz ing citatio ns, recom mendi ng relevan t papers, identif ying trends	Build ing perso naliz ed know ledge bases , sum mariz ing key conc epts	Identify ing key finding s, extracti ng evidenc e, generati ng summa ries	Analyz ing text, unders tandin g contex t, provid ing answe rs	Parsin g compl ex layout s, conver ting format s, preser ving struct ure	Identif ying gramm ar errors, improv ing clarity & style, checkin g citation s
Target Users	Resear chers, studen ts, anyone needin g relevan t researc h materi als	Rese arche rs, stude nts, anyo ne seeki ng infor mati on on speci fic topic s	Researc hers, student s, anyone needing quick researc h insights	Resear chers, studen ts, anyon e needin g inform ation from PDFs	Resear chers, publis hers, acade mics needin g format ted docu ments	Researc hers, student s, academ ic writers
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	Paid Features	In- depth analysi s, citatio n visuali zation, collabo ration tools	Adva nced searc h filter s, perso naliz ed news feeds , topic explo ratio n	Advanc ed summa ries, citation analysis , compar ison across papers	Unlimi ted questi ons, answe r explan ations, topic explor ation	Unlim ited conver sions, custo mizati on option s, API access	Premiu m feedbac k, style optimiz ation, plagiari sm detecti on
	Strength s	Powerf ul discov ery tool for explori ng related researc h, insight ful	Pers onali zed know ledge base, conv enien t for stayi ng upda ted	Excelle nt for quickly underst anding key points of researc h, good for generati ng	Ideal for findin g specifi c inform ation within PDFs, provid es contex	Efficie ntly conver ts compl ex docu ments while preser ving layout, great	Compr ehensiv e gramm ar check with academ ic focus, improv es writing

	visuali zations	on speci fic topic s	hypoth eses	tually releva nt answe rs	for collab oratio n	clarity and style	
Weakne sses	Limite d to researc h paper recom menda tions, doesn't analyze conten t	Requ ires speci fic infor mati on for effec tive searc hes	Limited to summa rizing existing researc h, doesn't offer in- depth analysis	Requir es careful phrasi ng of questi ons, doesn' t provid e direct citatio ns	Doesn 't analyz e conten t, primar ily focuse d on format conver sion	Primari ly focuse d on writing mecha nics, doesn't generat e new content	

#### **Conclusion:**

In conclusion, the landscape of AI research tools is brimming with innovative options like Connected Papers, Research Rabbit, Consensus.app, ChatPDF, TypeSet.io, and Trinka.ai, each catering to distinct needs within the research process. Whether you seek to efficiently grasp key findings, glean insights from PDFs, convert documents with finesse, or refine your writing for publication, these AI-powered allies empower researchers to navigate the information ocean with greater speed and accuracy. Remember, these tools are not a magic bullet, but rather intelligent companions enhancing your research journey. By understanding their strengths and limitations, you can leverage them strategically to accelerate discovery, streamline tasks, and ultimately elevate the quality and impact of your research endeavors.

#### 5.2 AI-Powered Tools for Data Analysis and Visualization

Data is a powerful source of information, but it can be overwhelming. AI-powered data analysis and visualization tools like Polymer AI and Julius.ai help us make sense of complex data. They use artificial intelligence to quickly process information and reveal patterns, trends, and insights that would be difficult to find manually. These tools turn raw data into clear visuals and even answer questions in plain language. This saves time, effort, money, and leads to better decision-making.

#### 5.2.1 Polymer

Polymer is an AI-based business intelligence (BI) web application that aims to enable anyone, regardless of technical skill level, to perform data analysis and visualisations quickly and easily. This AI application connects to multiple data sources, including Shopify, Google Sheets, Google Analytics, and more, to assist in transforming raw data into actionable dashboards and reports.

#### Features

- Easy to use: No need for any technical skills or coding knowledge to use Polymer. Simply choose a data connector or upload a dataset and start creating charts and graphs with a few clicks.
- **No-Code Interface**: Drag-and-drop functionality and plain English prompts make it easy to customize visualisations and use without coding.
- Fast & powerful AI-Powered Insights: Polymer can handle large and complex datasets and provide insights (i.e., highlighting hidden patterns, trends, and relationships) and recommendations based on the data in seconds. It allows the user to apply filters, calculations, and transformations to the data to get the results instantly.
- Collaborative & Shareable Visually Appealing Dashboards: Create informative dashboards to track important metrics and share findings with others.
- Data Integration: Connects to various data sources like Excel, Google Sheets, Sales force, and more.
- Focus on Simplicity: Designed to quickly take you from data to actionable insights.



#### Functionality in Education

Though it primarily targeted at businesses, Polymer Search can have applications in education:

#### Teaching:

- Demonstrate data analysis concepts in simple steps for easy understanding.
- Introduce the importance of data-driven decision making.

#### Learning:

- Analyse student performance data to identify trends and areas for improvement.
- Research projects where students can explore datasets and build visualizations.

#### **Evaluation:**

• Tracking Institution-wide, Teacher-wise, and Student-wise metrics (attendance, test scores, etc.) for informed interventions.

#### Usage in Teaching, Learning, and Evaluation

- Accessibility: Empowers those without extensive data skills to extract meaningful information.
- Enhanced Understanding: Visualizations make data easier to understand and spot patterns.
- **Data-Driven Insights**: Helps guide better-informed decisions for both the school and individual students.

#### Limitations

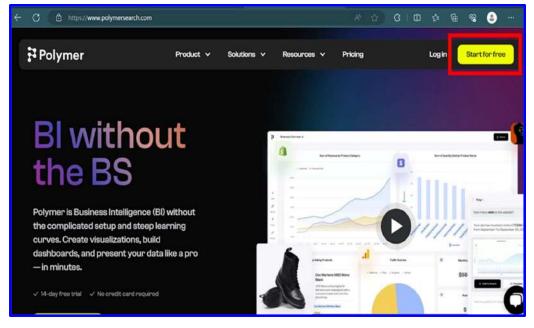
- Less Customization: The focus on simplicity can limit granular control for more complex analyses.
- Potential Cost: While aiming for affordability, subscription costs may still be a factor for schools.
- Not Specialized for Education: Might lack features tailored to specific educational data analysis needs.

#### Source:

https://polymersearch.com/

#### Walkthrough:

#### Home Page of Polymer

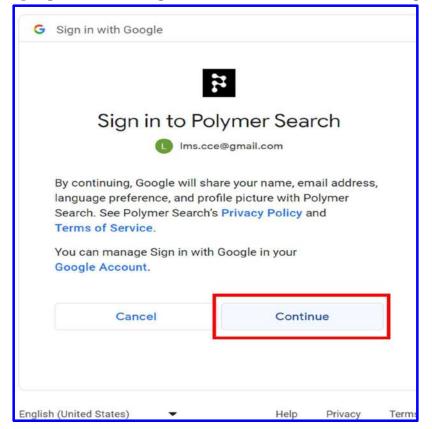


Sign up for a free trial or a paid plan. You can also sign in with your Google account.

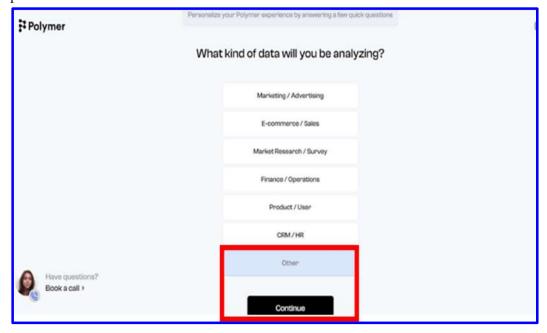
Click on **Start for Free** button, then, Welcome page is loaded, where you can **Sign up with Google** or **Continue with Facebook** or you can **Register** 

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Upon clicking Sign in with Google, it will lead to Click on Continue page



Clicking the **"Continue**" button in the previous image will prompt you to enter details about the data you will analyze. After that, click **"Continue"** to proceed.



Clicking the "**Continue**" button in the image will take you to the next page. There, you can invite team members by entering their **email IDs** and clicking the "**Add Member**" button. Whether you add members or not, you can proceed by clicking the "**Continue**" button on the following screen.

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Connect the Data by clicking on the suitable source such as Google Drive, Dropbox, Upload XLS or CSV, etc to link the data source (spreadsheet, cloud database, etc.) and then click "Auto Generate Board" button:

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Uploading .csv file for doing analysis by clicking on "Upload XLS or CSV file" button



Choose the columns you want to analyze from the data source. The columns highlighted with a background color in the image are the selected columns. After selecting, click "**Done**".

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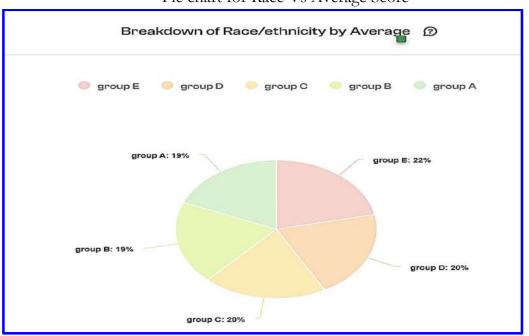
As a new user, click on "start tutorial" or skip it to see suggested insights.

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To create visualizations for the dashboard, click on "+Add" in the left panel.



After choosing the Pie chart option and selecting the Race and Average Score columns in the Add Block Screen above, the visualization is displayed below.



Pie chart for Race Vs Average Score

Heat Map, Pie Chart, Scatter Plot with Trendline, and Bar Chart have been included in the Dashboard.





**Suggested Insights:** By clicking on the "+" next to each insight in the **Suggested Insights** screenshot, Polymer will create charts or highlight key findings.

Suggested Insights	To see more insights click here	Load More
What is the distribution of Average scores a	across Gender and Race/Ethnicity ?	+
is there a correlation between reading and wri	ting scores?	+
What is the distribution of parental education l	evels among the students?	+

As shown in the Data Manager screenshot, You can download the data source from Polymer's Data Manager.

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You can share and collaborate on the dashboard with others or embed the dashboard on any webpage, as shown in board-1 screenshot.



#### Subscription:

Polymer is a paid service with a 14-day free trial and a limited free plan. The paid plans vary from \$29 to \$299 monthly, based on your requirements. For Polymer Search's pricing details, contact them directly as it is not available on their website, and inquire about any educational discounts.

#### 5.2.2 Julius.ai

Julius AI is an intelligent tool (AI Chatbot) that lets you analyse any form of structured data using natural language prompts, generate smooth visualizations and get insights from the data. Using this tools, one can perform advanced analysis, create data animations, and export the data to CSV or Excel. What makes Julius special is that it makes data analysis fast, simple, and useful, even for people who aren't experts in data science or statistics.

#### Features:

- Natural language interface: Upload data and talk to Julius in plain English or by voice. Julius makes visuals for your data.
- Support for various data sources and formats: Use different data sources or upload the data file. This tool works with all data formats, Google Sheets, and databases. It can also use data from Julius.
- **Insight automation and recommendation:** Uses AI and machine learning to provide data insights and suggestions along with advanced analysis and data animations.



- **Template creation and saving:** Make and save templates to use the same steps with different data. Templates from Julius or other users can be used.
- Sharing and collaboration: Can share the data work with others using a link or code, allowing them to view and edit your dashboard. Julius is compatible with tools such as Slack, Gmail, and Zapier.
- Use Cases of Julius AI:

			you. Dive into each use case	and dis	scover how our tool simpli
→	Marketing How to use AI to Optimize Marketing Campaigns	→	Healthcare Unlocking Healthcare Data Insights with Julius Al	÷	Academia Analyzing Survey Results Using Logistic Regression
<b>→</b>	Marketing Easily Train Accurate Sales Forecasting Models	÷	Economics How to Create Dynamic Time Series Data GIFs	>	Marketing Translating Product Descriptions with Al

#### Usage in Education:

- **Teaching:** Can use Julius to create interactive and engaging lessons and assignments for your students. It can use real-world data sets or your own data to demonstrate concepts and skills related to data analysis, visualization, and presentation.
- Learning: Use Julius to learn and practice data skills and concepts. It is also used to create portfolios and to showcase data projects to others.
- Evaluation: Use Julius to evaluate and improve teaching and learning outcomes. It can also be used to collect and analyze data from various sources, such as student feedback, attendance, grades, test scores, and learning analytics. Use it for data visualization and to communicate findings and recommendations to peers or parents.

#### Source:

https://Julius.ai

#### Walkthrough:

Julius is designed to be easy to use, but requires some time and effort to master it.

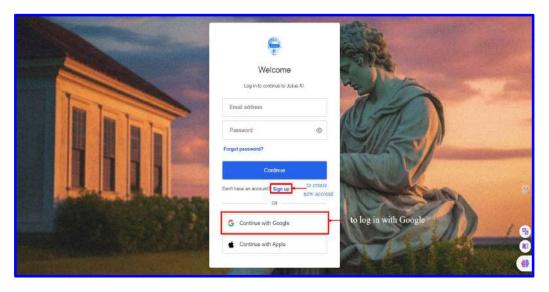
To access Julius, visit its website at <u>https://Julius.ai</u>. Then, the home page is loaded.



Julius.ai Home Page

For video tutorials, refer to: How-to Library (julius.ai)

To Sign up for a free trial or a paid plan, click on the "**Log In**" button at the top right corner . It will direct you to log in page, you sign in with your Google account:





The landing page of Julius after doing login:

Julius can be used to perform data analysis and visualisation. You can start data analysis by uploading your dataset. To upload a dataset, click the highlighted Upload Icon. Then, enter your instructions in the text box next to the upload icon and click the blue button with the right arrow to proceed.

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٢	Dr. Jyothi Jangam		Add a file or start a conversation and add files later	• • • •

Click on the "Get Started" button to access examples and video tutorials.

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#### Personalise Julius AI for customized analysis:

Select a AI persona by clicking on "AI Settings" in the top right corner, then it opens a window for personalisation, there,

1) select between two AI providers: GPT-4 and Anthropic Cloud.

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2) It provides a breakdown of the strengths of each provider, helping you make an informed choice. Based on your data/use case, choose a persona that best fits your needs. Options might include "Marketing," "Economics," "Healthcare," etc. These personas are tuned to handle specific use cases more effectively.

	Personalization Select a persona for Julius based on your use case or customize.	
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	Engaging potential clients and closing deals. Outputs include product comparisons, value propositions, and customer testimonials.	
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For doing data analysis with Julius AI, perform the steps given below:

• Setting Active Data Source:

Once you upload or submit your dataset files, the data source will be displayed in the list of data sources. For doing analysis, link your data file and give your prompt.

- Linking the Active Data Source: The data source can be linked to Julius AI for data analysis in two ways:
  - a. by adding the file through upload
  - b. by providing URL
- a. Upload the data file:

To upload the dataset, click the highlighted Upload Icon. Then, enter your instructions in the text box next to the upload icon and click the blue button with the right arrow to proceed.

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		Uploaded Data File Conversation with Julius AI / prompt to AI	3
	I-LME AC-02	Cell the Average Sales by Preduct Category	

**Uploading or linking Data File through URL:** Clicking on the Pin (Upload Icon) will open a popup window displaying options like Upload, Share URL, and MyFiles(1).

Upload Share URL My Files (1)				
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To see all uploaded data sources, click on "Files" in the left panel. The details are explained in the screenshot below:

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47 Upgrade				Upload File Share URL	l data files by clicking these
	List of all the	Select all	± Download	D Delete	Chat with files
	Data Sources	Adms_Ps.xlisx			P i
	click here to link the data source	SalesData1.csv	cli	ck here to start conversion	with AI 🗕 !

To connect the Data Source and to begin conversation with the AI, click the Chat Icon. This will open a window where you can enter your prompt. Click the blue arrow to continue.

1	Conversation with Julius AI / prom	
SalesData1.csv ×		click here to procee
Get me Average Sales		

#### Analysing the Data:

Give prompts like "Get me Average Sales by Product Category" to Julius in natural language. It translates your commands into Python code to apply them to the data. You can do various operations like filtering, sorting, aggregating, regressions, and more with the pandas dataframe. After linking the data source and providing the prompt, you'll see a dataset preview and then the "Average Sales by Product Category" displayed.

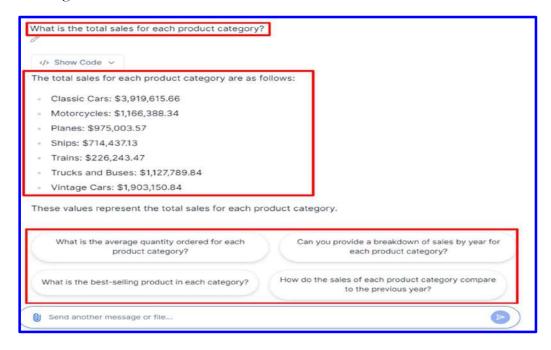
#### Preview of SalesData1.csv:

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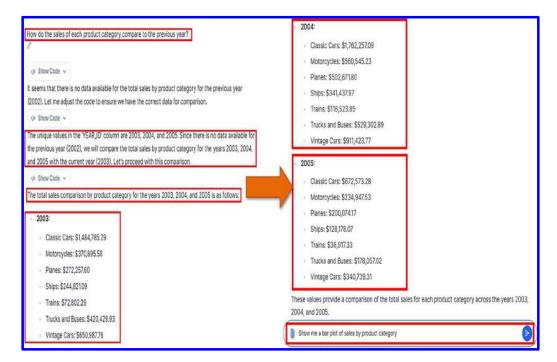
#### The Average Sales for each Product Category:

i spre	adsheet
Get me A	verage Sales by Product Category
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	/ Code 🗸
The data	consists of columns such as ORDERNUMBER, QUANTITY_ORDERED, PRICE_EACH, SALES,
	T_LINE, and more. To calculate the average sales by product category, I will group the data b
the PROE	DUCT_LINE column and then calculate the mean sales for each category. Let's proceed with t
1000 000	/ Code ~
The aver	age sales by product category are as follows:
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<ul> <li>Moto</li> </ul>	rcycles: \$3523.83
• Plane	es: \$3186.29
- Ship:	:: \$3053.15
- Train	s: \$2938.23
- Truc	ks and Buses: \$3746.81
2022 1100	ge Cars: \$3135.34

• With the prompt: "Total Sales for each Product Category" AI has generated:



With the prompt "Get sales of each product category compared to the previous year", JuliusAI has given details from previous years from 2003, 2004 and 2005.



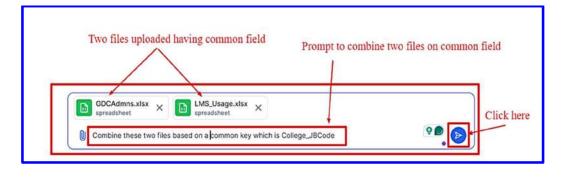
#### **Visualisations:**

Give prompts to Julius AI to make visualizations from data as part of data analysis. Request different plot types like bar plots, line plots, histograms, scatter plots, pie charts, heat maps, and more. For example: the prompt -"show me a bar plot of sales by product category", Julius AI has given the Visualisations along with the automated insights at the bottom of the plot:

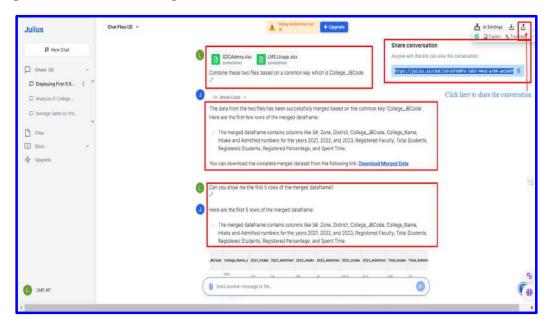


Julius AI allows us to upload multiple data files and combine them without writing any code or using any other software tools and then, you can download and use this combined data for further analysis.

For example: Two data files GDCAdmns.xlsx and LMS\_Usage.xlsx are uploaded by clicking on the Upload Icon, and a prompt "Combine these two files based on a common key which is College\_JBCode" is given as in the screenshot below:



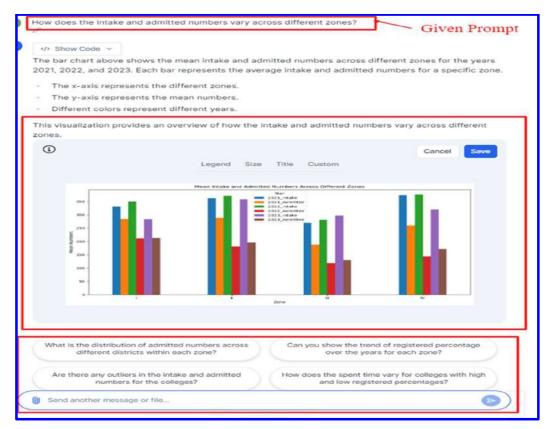
Then, Julius AI ran a Python code to merge the files based on the shared column "College\_JBCode" and showed the columns of the merged file, and provided a download option as shown in the screenshot.



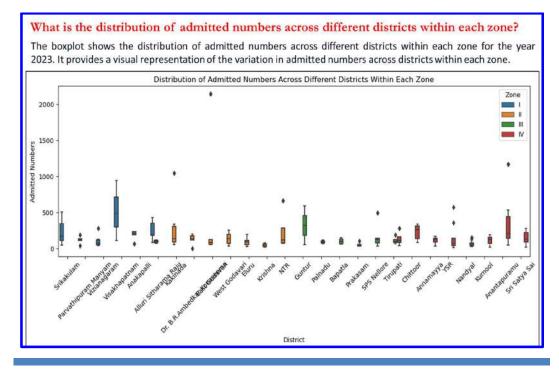
To view the Top 5 records from the newly created combined data file:

Int	ne merged da take and Adn agistered Stu	nitted num	bers for the	years 202	21, 2022, and	1 2023, Re			
BCode	College_Name_x	2021_Intake	2021_Admitted	2022_Intake	2022_Admitted	2023_Intake	2023_Admitted	Total_Intake	Total_Admitt
	GDC. Amedalavelese	120	64	180	40	100.0	47.0	400	151
	GDC, Ichapuram	270	215	290	135	260.0	134.0	820	484
	ODC (W) Srikakulam	700	663	700	523	550.0	506.0	1950	1692
	ODC, Baruva	220	10-4	250	103	220,0	122.0	690	419
	GDC Nerasannapeta	280	204	240	80	180.0	93.0	700	377
•	Vhat are the top		based on the	total	Can y		a summary of e across all co		ed
но	w does the int acro	ake and adı ss different		rs vary	What is		spent time pe all colleges?	er student a	cross

Here, AI has provided automated insights for further data analysis. Clicking on a specific insight invokes the Python code and displays the output as shown below. Here, the bar graph is showing Average Intake and Admissions across different zones:

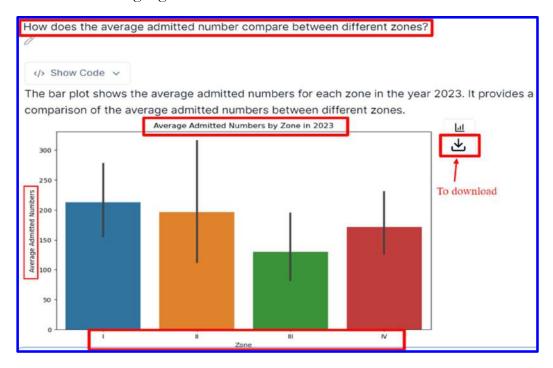


When the first insight in the above screenshot is clicked:



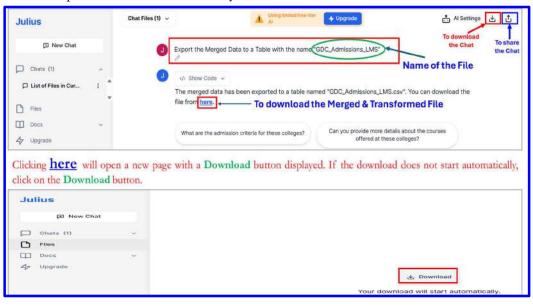


The visualisations generated by the AI can be downloaded by clicking on the download icon highlighted in the screenshot below:



#### **Exporting Data:**

You can share and export the changed/transformed dataset by naming the export file and selecting the data format (like CSV or Excel). The dataset will be exported in CSV format by default.



Share Data Analysis Conversation: It allows you to invite your team members, clients, or stakeholders to view the dashboard.

Julius		Chat Files (1) 🗸	Laing Britad fron-tiar	+ Upgrade Al Set	tings 🛃 🖞
New Chat		0	Export the Merged Data to a Table with the name "GD	Share conversation Anyone with this link can view this conversation.	On clicking
Chats (1)	. *	0	q) Show Code ∽	https://julius.ai/chat?id=d47a6cd0-2c3e-4798-9e	
🗅 Files	٣		The merged data has been exported to a table named file from here.	"GDC_Admissions_LMS.csv". You can download the	To Copy the link
Docs Upgrade			What are the admission criteria for these colleges?	Can you provide more details about the courses offered at these colleges?	

You can download the Data Analysis Conversation as either a Word document or a Jupyter Notebook and share it with others or use it for further analysis.

Julius		Chat Files (1) ~	Using limited free-ter	ċ	Click here to download Chat
D New Chat		0	Export the Merged Data to a Table with the name "GDC_Admissions_LMS"	To download word file	Export Download as .docx Download Notebook
Chats (1)		0	(r) Show Code ~ The merged data has been exported to a table named "GDC_Admissions_LMS"	S.csv". You can downlo	
Files	*		file from here.		

#### Subscription Details:

When using the free version, you can interact with AI through 15 prompts/messages for data analysis. The paid services include options based on the number of messages and the character count of those messages.

Basic	Essential Most popular	Pro
\$20.00/month	\$45.00/month	\$60.00/month
Subscribe	Subscribe	Subscribe
<ul> <li>250 Messages Per Month</li> <li>Unlimited Exports</li> <li>Cancel Anytime</li> <li>Premium AI</li> <li>1000 Input Character Limit</li> </ul>	<ul> <li>Everything in Basic</li> <li>Unlimited Messages Per Month</li> <li>Better at longer conversations</li> <li>2000 Input Character Limit</li> </ul>	<ul> <li>Everything In Essential</li> <li>Premium Support</li> <li>CEO's Cell Phone Number</li> <li>2500 Input Character Limit</li> </ul>



Feature	Polymer AI	Julius AI
Focus	Business Intelligence (BI), data visualization, and dashboarding	Natural language processing (NLP), conversational AI, automated insights
Target Audience	Business users, educators, anyone needing easy data analysis and visualization	Data scientists, developers, those comfortable with building more complex AI models
Ease of Use	Very user-friendly, drag-and- drop interface, AI-assisted insights	Requires more technical knowledge, coding experience beneficial
Data Connections	Wide range of popular data sources (Shopify, Google Sheets, etc.)	Ability to handle custom data sources and integrations
Visualization Types	Pre-built charts, graphs, maps, some customization options	More flexibility for customization including advanced plots
AI Capabilities	Suggests insights and visualizations, aids in exploration	NLP for query-based data analysis, potential for custom model building
Collaboration	Dashboard sharing, embedding options	Integration into internal systems, sharing insights via API
Pricing	Offers Free plan, tiered paid plans with increased features	Potentially requires custom infrastructure setup, affecting costs

#### Comparison of Polymer AI with Julius.ai

#### **Conclusion:**

The data analysis tools that leverage AI to simplify data exploration for educators and students are highly required. Though there are a handful of data analysis tools available, Polymer AI and Julius AI are discussed here. These tools foster data literacy, creative analysis, and personalized learning approaches. However, it's essential to consider potential risks including data privacy concerns, ethical AI use, and the need to ensure data quality for reliable analysis.

## **Additional AI Tools**

S.No.	AI Tool	Source URL
		AI IN TEACHING
		Presentation Tools
1	Decktopus	https://www.decktopus.com/
2	ZohoShow	https://www.zoho.com/show/
3	Visme	https://www.visme.co/
	Text	– to – Video Generation Tools
4	Kapwing	https://www.kapwing.com/ai/text-to-video
5	Sora	https://openai.com/sora
6	Lumen5	https://lumen5.com/
7	Animaker	https://www.animaker.com/
8	Renderforest	https://www.renderforest.com/
	Text	– to – Image Generation Tools
9	PhotoSonic	https://photosonic.pro/
10	Jasper	https://www.jasper.ai/art
11	DaVinci	https://davinci.ai/
12	Gencraft	https://gencraft.com/
13	Wepik	https://wepik.com/ai
		One Stop Solutions
14	Twee	https://www.eduaide.ai https://twee.com/
15	DreamBox	https://www.dreambox.com/
16	Knewton Alta	https://www.wiley.com/en-us/education/alta
17	Gibbly	https://www.gibbly.co/



#### AI IN LEARNING

#### LLM Tools

18	Anthropic Claude	https://www.anthropic.com/claude
19	Perplexity	https://www.perplexity.ai/
20	Talkpal	https://talkpal.ai/
		AI IN EVALUATION
21	Forms.app	https://forms.app/
22	<b>D1</b> 1.0	
	BlockSurvey	https://blocksurvey.io/
23	Zonka	https://blocksurvey.10/ https://www.zonkafeedback.com/

#### **AI IN RESEARCH & DATA ANALYSIS**

#### AI Tools for Research

25	Elicit	https://elicit.com/
26	OpenRead	https://www.openread.academy/
27	Semantic Scholar	https://www.semanticscholar.org/
28	Jenni	https://jenni.ai/
29	ZeroGPT	https://www.zerogpt.com/
30	Litmaps	https://www.litmaps.com/
31	Copyleaks	https://copyleaks.com/
32	ChatDOC	https://chatdoc.com/
33	SpinBot	https://spinbot.com/

### **BIBLIOGRAPHY**

S.No.	AI Tool	Source URL
		AI IN TEACHING
		Presentation Tools
1	Gamma	https://gamma.app
2	Tome	https://tome.app/
3	BeautifulAI	https://www.beautiful.ai/
4	SlidesGo	https://slidesgo.com/
5	Canva	https://www.canva.com/presentations
	Text	– to – Video Generation Tools
6	InVideo	https://ai.invideo.io/
7	FlexClip	https://www.flexclip.com/tools/ai-text-to-video/
8	Veed	https://www.veed.io/tools/ai-video/ai-video- generator
9	Fliki	https://fliki.ai/features/text-to-video
	Text	– to – Image Generation Tools
10	Midjourney	https://midjourney.com/
11	DreamStudio	https://beta.dreamstudio.ai/generate
12	NightCafe Studio	https://creator.nightcafe.studio/
13	Dezgo	https://dezgo.com/
14	Wepik	https://wepik.com/ai
		One Stop Solutions
15	Eduaide	https://www.eduaide.ai
16	Curipod	https://curipod.com/
17	Canva Magic Write	https://www.canva.com/login
18	to-teach	https://www.to-teach.ai/
19	AudioPen	https://audiopen.ai/



#### AI IN LEARNING

#### LLM Tools

20	ChatGPT	https://chat.openai.com/auth/login
21	Gemini	https://gemini.google.com/
22	Copilot	https://copilot.microsoft.com/
23	Yoodli	https://app.yoodli.ai/
24	Merlin	https://chromewebstore.google.com/detail/merlin-1- click-access-to/camppjleccjaphfdbohjdohecfnoikec
		AI IN EVALUATION
25	Conker	https://www.conker.ai
	Gomer	
26	Survey Sparrow	https://surveysparrow.com/
26 27		
	Survey Sparrow	https://surveysparrow.com/
27	Survey Sparrow Survey Monkey	https://surveysparrow.com/ https://www.surveymonkey.com

#### AI IN RESEARCH & DATA ANALYSIS

#### AI Tools for Research

31	ConnectedPapers	https:/	/www.connectedpapers.com/	/ 

- 32 ResearchRabbit <u>https://researchrabbitapp.com/</u>
- 33 Consensus <u>https://consensus.app/</u>
- 34 ChatPDF <u>https://www.chatpdf.com/</u>
- 35 TypeSet <u>https://typeset.io/</u>
- 36 Trinka <u>https://www.trinka.ai/</u>
- 37 Plag.ai <u>https://www.plag.ai/</u>

#### AI Tools for Data Analysis

- 38 Polymer <u>https://polymersearch.com/</u>
- 39 Julius <u>https://Julius.ai</u>

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