

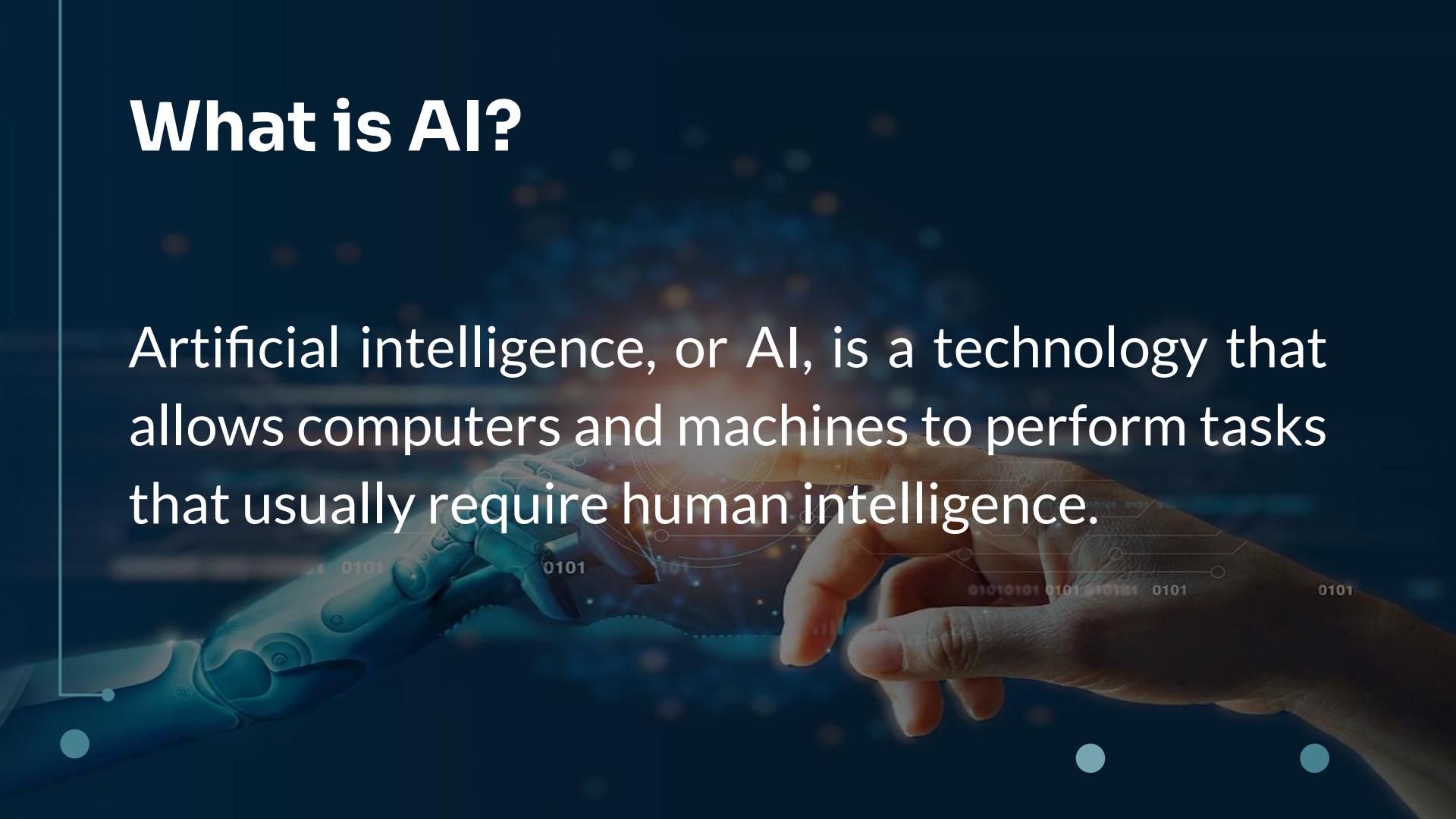
Use of AI in eContent development

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What is AI?

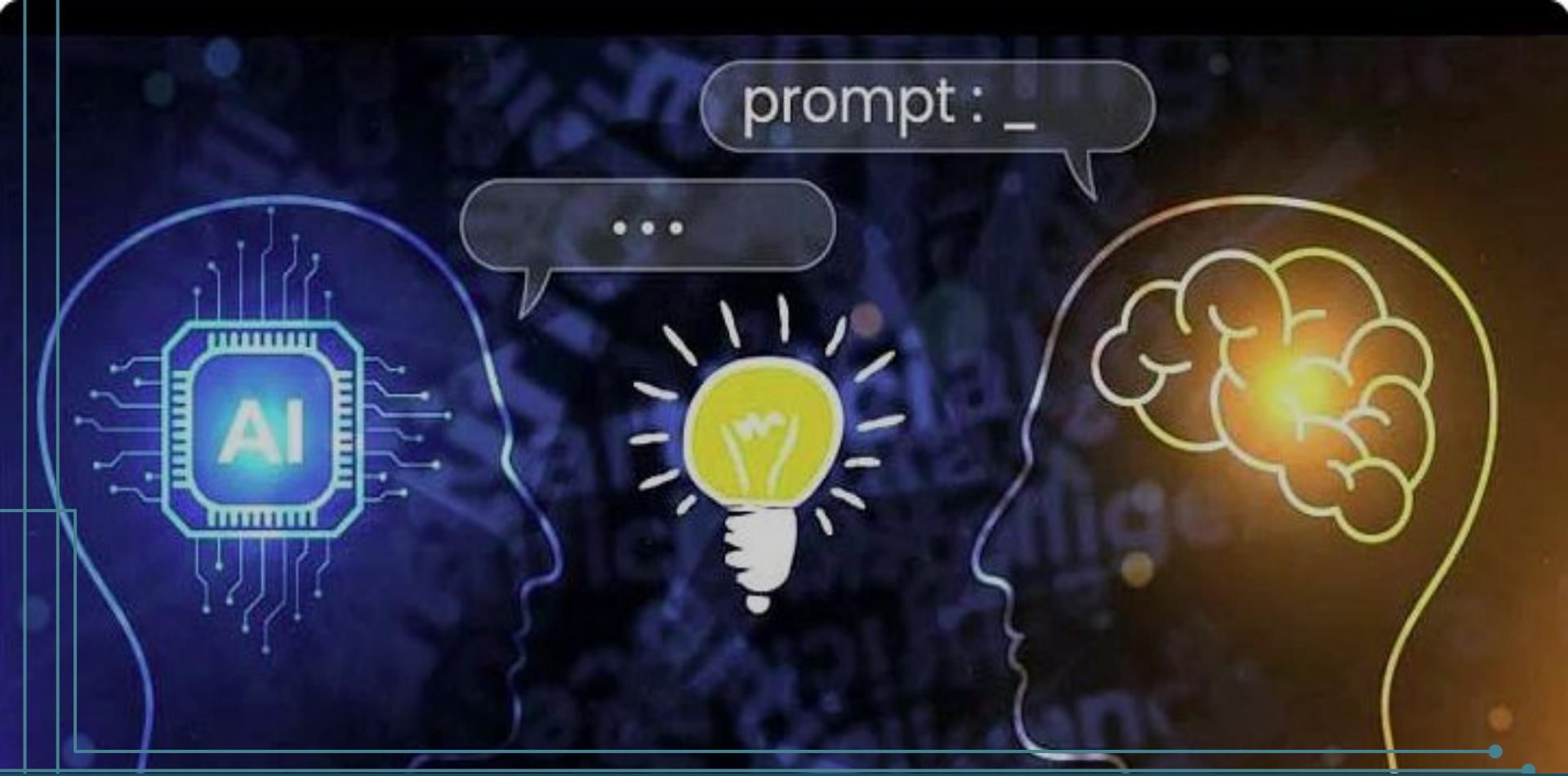
Artificial intelligence, or AI, is a technology that allows computers and machines to perform tasks that usually require human intelligence.

A close-up photograph of a human hand reaching out towards a blue, articulated robotic hand. The scene is set against a dark, blurred background that suggests a futuristic or industrial environment. Floating around the hands are several binary code sequences, such as '0101' and '101010101 0101 01011111 0101'. The lighting is dramatic, highlighting the skin texture of the human hand and the metallic components of the robot's arm. The overall composition conveys a sense of interaction between human and machine.



What is Generative AI?

Generative AI, also known as gen AI, is a type of AI that can create original content in response to a user's request. Generative AI can create text, images, video, audio and presentation and many more



prompt : _

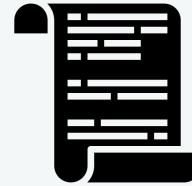
Content types you'll be able to create using AI



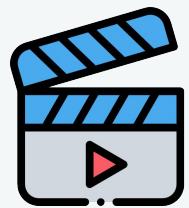
Presentation



Images



Scripts



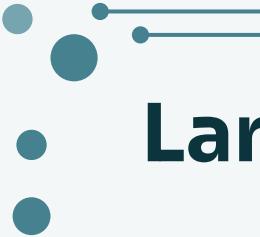
Videos



Activities



Audio



Large Language Model (LLM)

- Large Language Model refers to a type of artificial intelligence model that is trained on vast amounts of text data to understand, generate, and manipulate human language.
- These models are designed to predict and generate text based on the patterns they learn from their training data, making them capable of performing various natural language processing tasks.

Examples of LLM

Copilot

Chat GPT

Generate Diverse Content

Diverse content can be generated from LLM. Some of the examples are given below:

Generate script

<https://docs.google.com/document/d/1Qmz7EhnPeAc7jOr6X9UxU5255KpspNwRDvIqQ4LjzuEQ4LjzuE/edit?tab=t.0>

Get Ideas for activity based learning

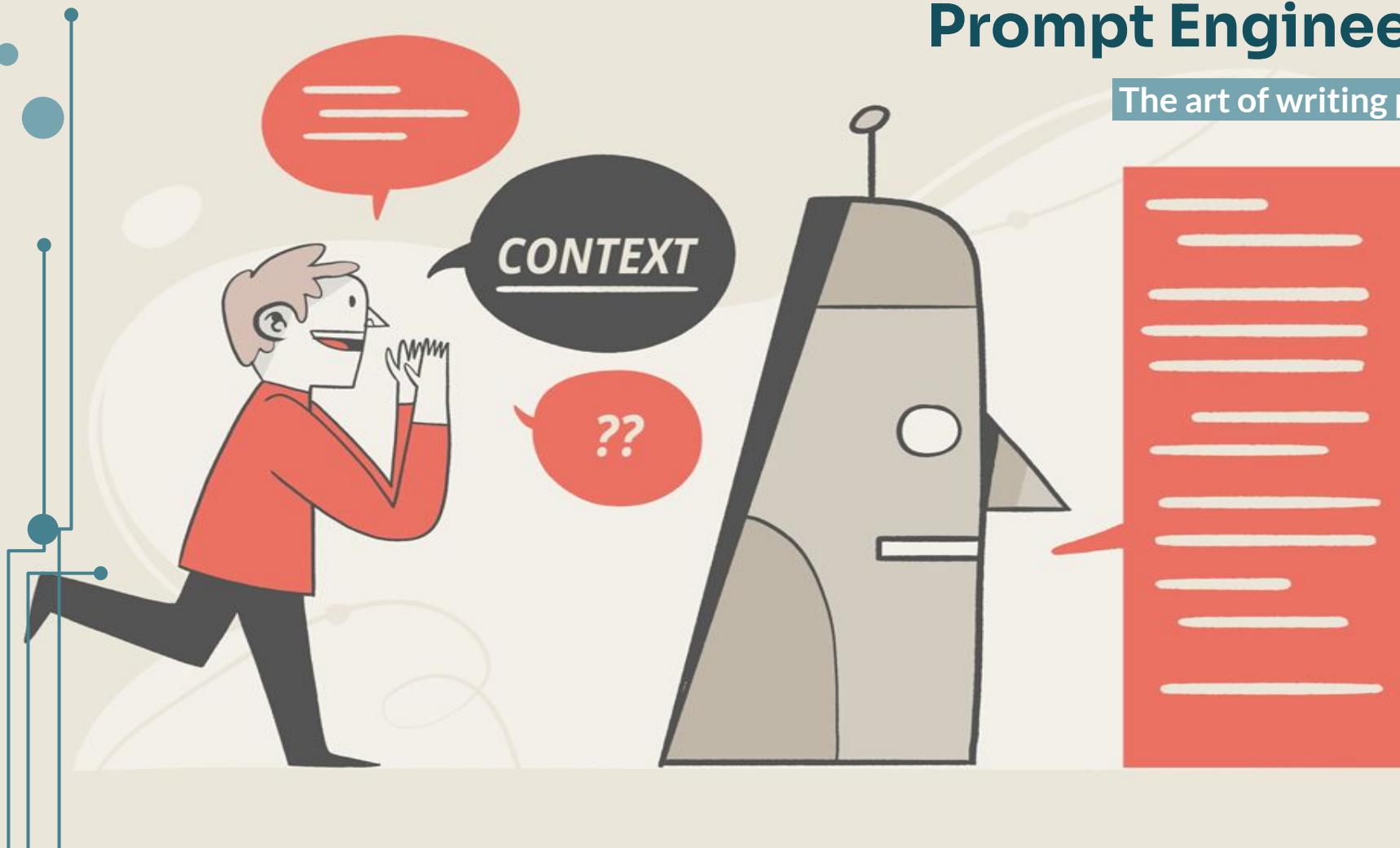
<https://docs.google.com/document/d/1Qmz7EhnPeAc7jOr6X9UxU5255KpspNwRDvIqQ4LjzuE/edit?tab=t.f5i0h82r7ng1>

Personalise the content

<https://docs.google.com/document/d/1Qmz7EhnPeAc7jOr6X9UxU5255KpspNwRDvIqQ4LjzuE/edit?tab=t.e2ga0szgmr9i>

Prompt Engineering

The art of writing prompts



Prompt engineering is the art and science of designing and optimizing prompts to guide AI models, particularly LLMs, towards generating the desired responses.

The effectiveness of your prompt directly influences the quality and relevance of the AI's output.

Scenario	Example Prompt
Creative Writing	"Write a short story about a young woman who discovers a magical portal in her attic." Link
Summarization	"Summarize the main points of the following news article on climate change."
Translation	"Translate the following text from English to Hindi: 'The quick brown fox jumps over the lazy dog.'" Link
Dialogue (simulate conversations)	"You are a friendly chatbot helping users troubleshoot their computer problems. Respond to the user's query: 'My computer won't turn on.'"
Multiple choice questions	Write 10 multiple choice questions with correct answers based on the topic electricity for NCERT class 10 Link

Tactic	Prompt Example
Define the desired length and format of the output	"Compose a 500-word essay discussing the impact of climate change on coastal communities."
Specify the target audience	"Explain the concept of machine learning in simple terms, suitable for a non-technical audience."
Include relevant facts and data	"Given that global temperatures have risen by 1 degree Celsius since the pre-industrial era, discuss the potential consequences for sea level rise."
Use precise language and avoid ambiguity	Instead of: "Write something about climate change," use: "Write a persuasive essay arguing for the implementation of stricter carbon emission regulations."
Quantify your requests whenever possible	Instead of: "Write a long poem," use: "Write a sonnet with 14 lines that explores themes of love and loss."

AI Tools for eContent development



Text to Image generation

<https://www.adobe.com/in/express/>

<https://www.mage.space/>

<https://www.craiyon.com/>



Exemplar Prompts-

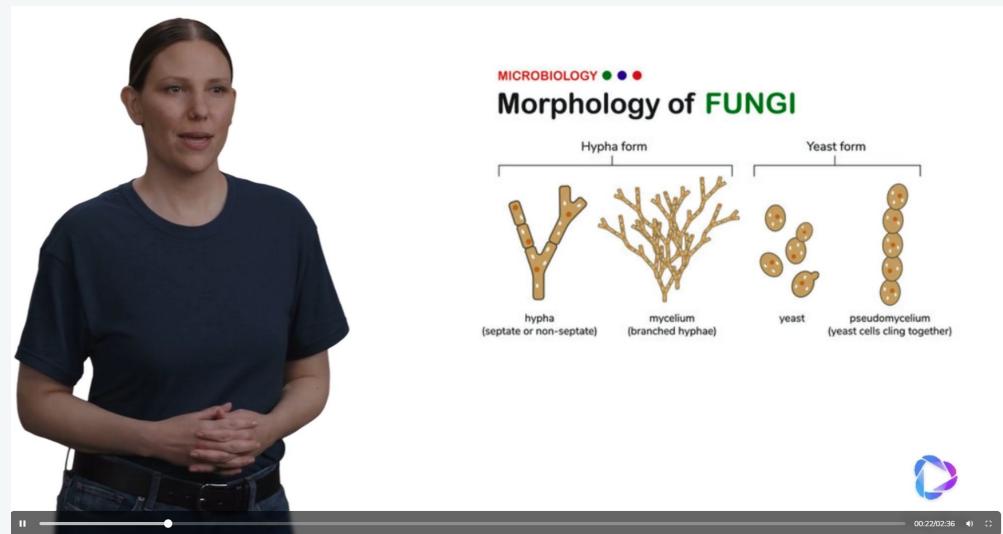
1. Draw an image of a class with students of Indian origin sitting on benches kept one after another in rows and a teacher standing near a smart board.
2. Draw an image of a dancing human skeleton

Text to Video generation

<https://app.heygen.com/>

Demo video-

[https://app.heygen.com/
videos/b39de300af9149
eb967f6f19b0a3b353?su](https://app.heygen.com/videos/b39de300af9149eb967f6f19b0a3b353?su)
bType=undefined

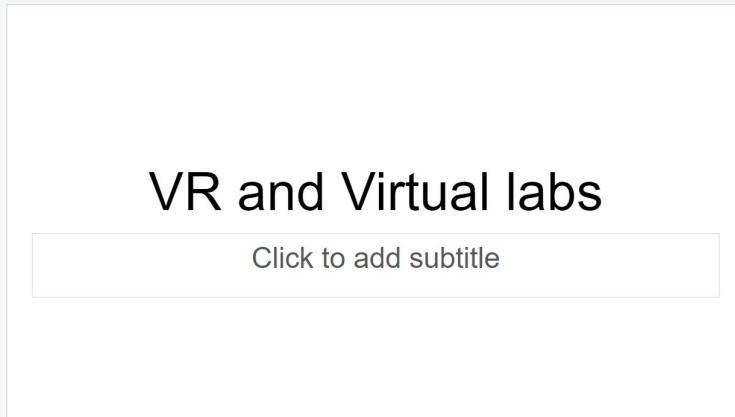


The image is a composite of two parts. On the left, a woman with dark hair tied back, wearing a dark blue t-shirt and jeans, stands against a white background, gesturing with her hands as if speaking. On the right, there is a diagram titled "MORPHOLOGY • • • Microbiology" followed by "Morphology of FUNGI". The diagram is divided into two main sections: "Hypha form" and "Yeast form". Under "Hypha form", there are two illustrations: one labeled "hypha (septate or non-septate)" showing a single, branching structure with internal cross-walls, and another labeled "mycelium (branched hyphae)" showing a dense network of branching hyphae. Under "Yeast form", there are two illustrations: one labeled "yeast" showing several oval-shaped yeast cells, and another labeled "pseudomycelium (yeast cells cling together)" showing a cluster of yeast cells that are physically connected to each other. At the bottom right of the diagram is a small blue circular logo with a white geometric pattern.

Text to Presentation

<https://gamma.app/ai-powerpoint>

- For enhancing the existing presentation click on Import → AI Import
- For generating new presentation click on Create New



A placeholder slide with a light gray background. At the top center, the text "VR and Virtual labs" is displayed in a large, bold, black font. Below it, a white rectangular box contains the placeholder text "Click to add subtitle".

Link of the content–

https://docs.google.com/presentation/d/19PkV3XxUGkTSuMQptpTT1eXOgXELMFEa/edit?usp=drive_link&ouid=109085384195543957527&rtpof=true&sd=true



The generated slide has a dark purple header section containing the title "VR and Virtual Labs" in white. Below the title is a brief description: "Virtual reality (VR) has become increasingly popular in recent years. It has the potential to revolutionize the way we learn and work. One exciting application of VR is in the field of virtual laboratories." To the left of the text is a photograph of a person wearing a VR headset and holding a controller, standing in front of a large screen displaying a virtual interface. The footer of the slide includes the text "by Nidhi AT" and the "Made with Gamma" logo.

Link of the content–

https://docs.google.com/presentation/d/1Cxt_PyHDSEL4yo1YnzrVvCjsJqTa1Ps5/edit?usp=drive_link&ouid=109085384195543957527&rtpof=true&sd=true

Text to Presentation

<https://gamma.app/ai-powerpoint>

- For enhancing the existing presentation click on Import → AI Import
- For generating new presentation click on Create New

Prompt-
create a presentation on Artificial Intelligence

Link of the content-

https://docs.google.com/presentation/d/1x4xOhePnQlwSFA3paST4oW5o2viYHLvt/edit?usp=drive_link&ouid=109085384195543957527&rtpof=true&sdt=true

Introduction to
Artificial Intelligence

Artificial intelligence (AI) is the simulation of human intelligence processes by computers. It is a broad field that encompasses many different disciplines, including computer science, mathematics, psychology, and linguistics.

by Nidhi
AT

Made with Gamma

Text to Presentation

<https://www.presentations.ai/>

Prompt-

create a presentation on Artificial Intelligence

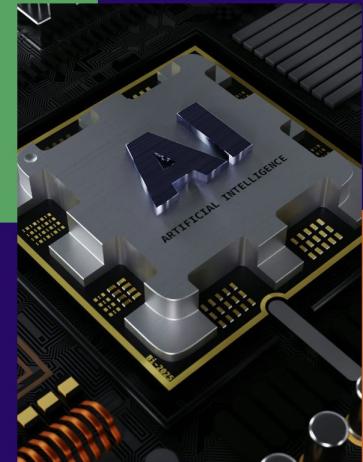
Link of the content-

<https://app.presentations.ai/view/A1HOfk>
<https://app.presentations.ai/#/docs/edit/7122412>

Nidhi AT

Understanding Artificial Intelligence

Exploring the definition, history, and current landscape of AI to pave the way for trends, applications, and ethical considerations.



THANKS



Attribution

<https://coderpad.io/blog/development/what-is-prompt-engineering/>

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https://innovationatwork.ieee.org/aie1_ty/

<https://cloud.google.com/discover/what-is-prompt-engineering?hl=en>