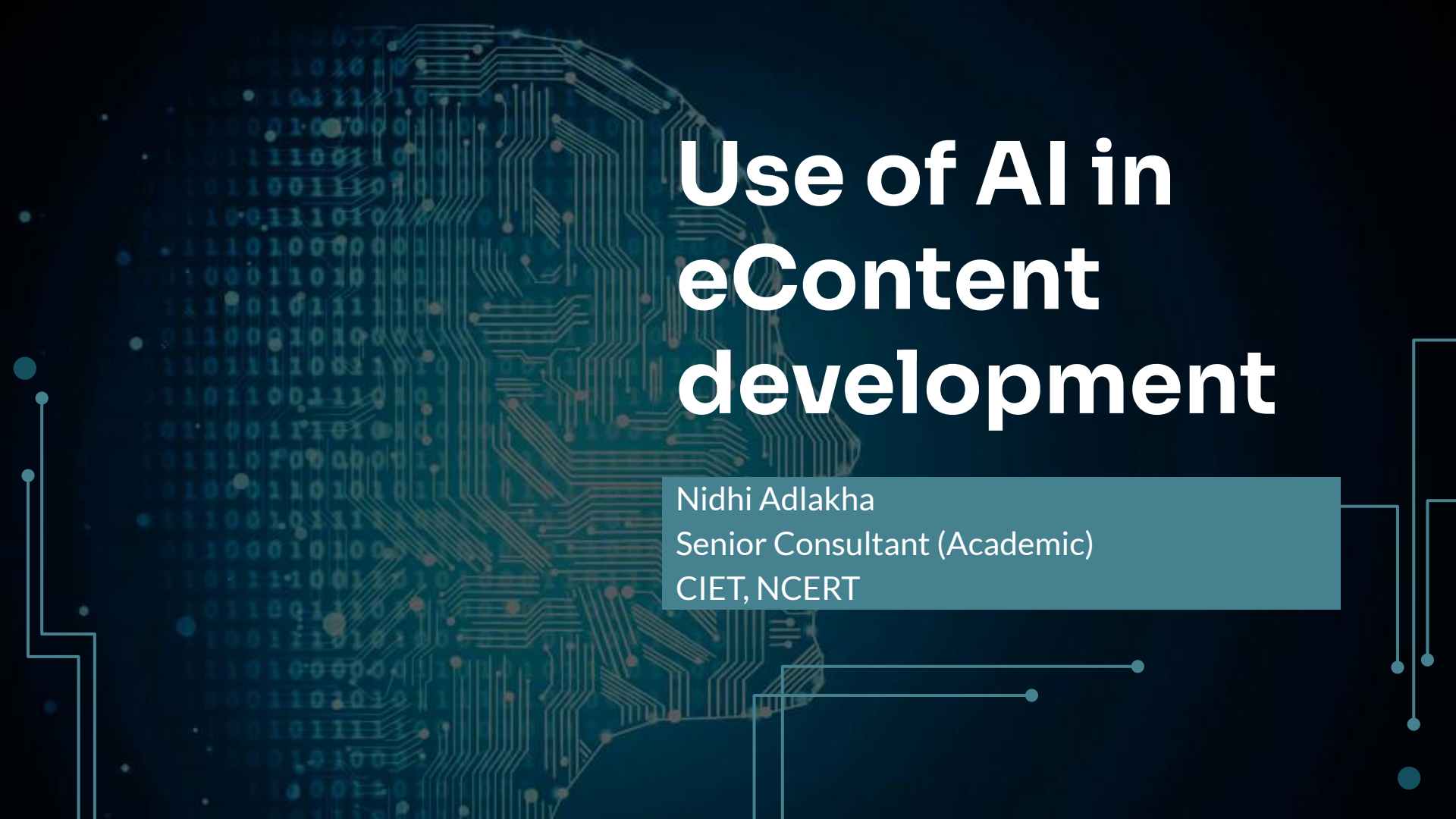




Use of AI in eContent development

Nidhi Adlakha
Senior Consultant (Academic)
CIET, NCERT

What is AI?

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



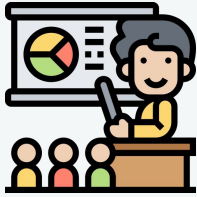


What is Generative AI?

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



Content types you'll be able to create using AI



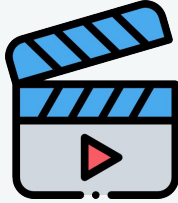
Presentation



Images



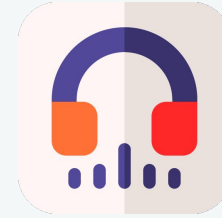
Scripts



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/1Qmz7EhnPeAc7jOr6X9UxU5255KpspNwRDvlqQ4LjzuE/edit?tab=t.0>

Get Ideas for activity based learning

<https://docs.google.com/document/d/1Qmz7EhnPeAc7jOr6X9UxU5255KpspNwRDvlqQ4LjzuE/edit?tab=t.f5i0h82r7ng1>

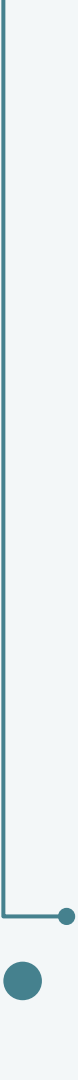
Personalise the content

<https://docs.google.com/document/d/1Qmz7EhnPeAc7jOr6X9UxU5255KpspNwRDvlqQ4LjzuE/edit?tab=t.e2ga0szgmr9i>

Prompt Engineering

The art of writing prompts

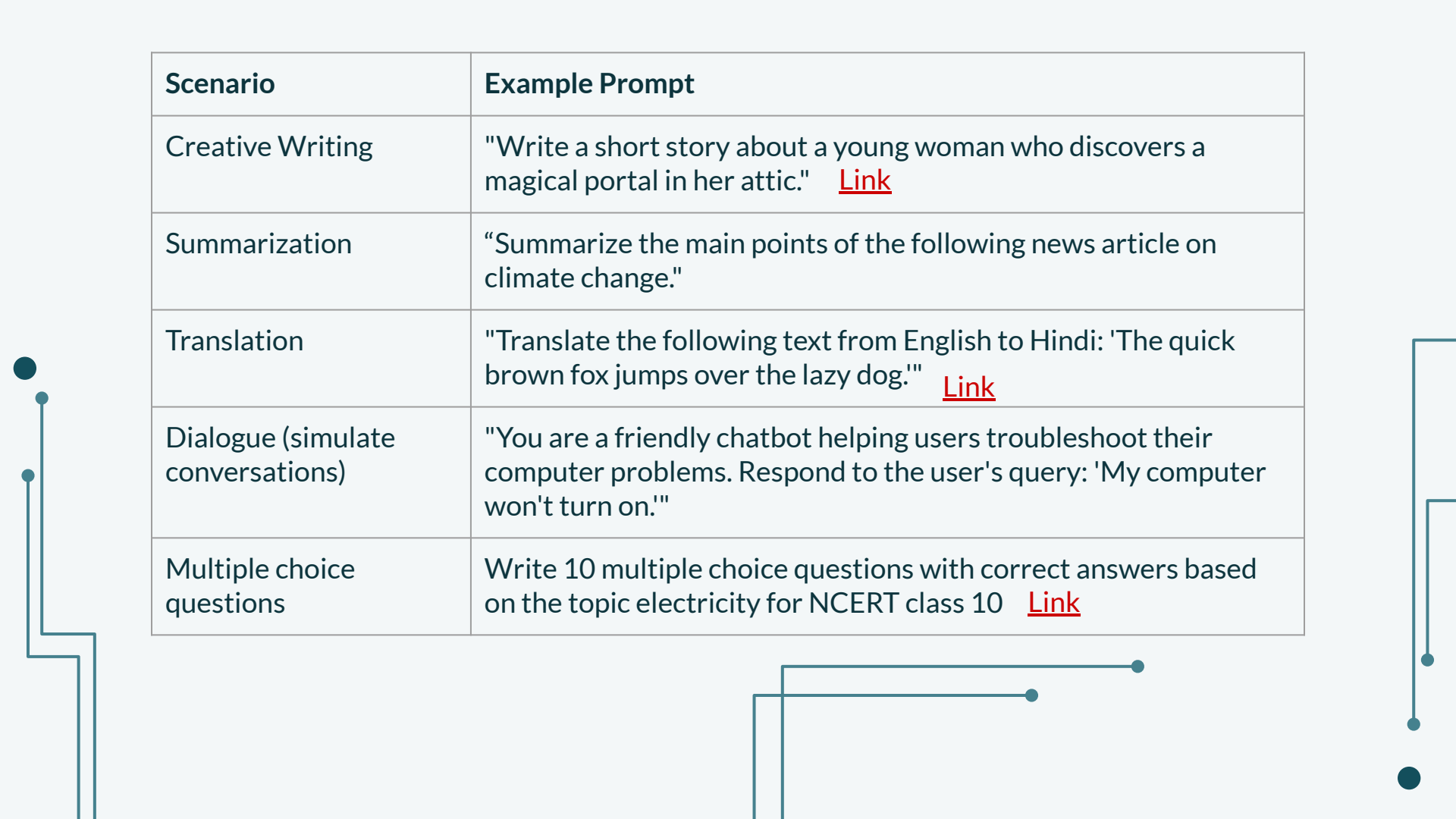




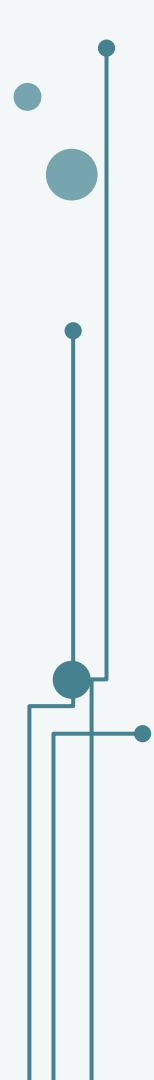
Prompt engineering is the art and science of designing and optimizing prompts to guide AI models, particularly LLMs, towards generating the desired responses.

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-

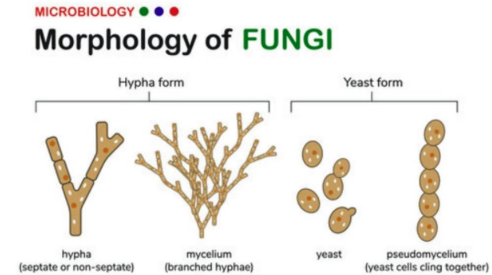
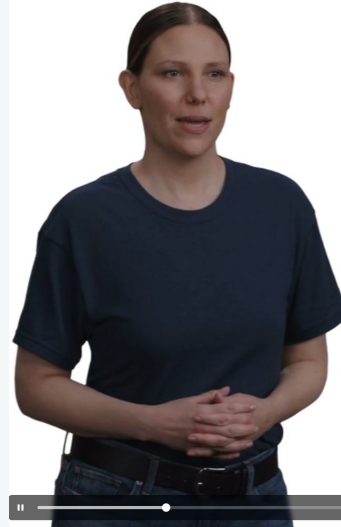
1. Draw an image of a class with students of Indian origin sitting on benches kept one after another in rows and a teacher standing near a smart board.
2. Draw an image of a dancing human skeleton

Text to Video generation

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

Demo video-

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



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

VR and Virtual labs

Click to add subtitle

Link of the content-

https://docs.google.com/presentation/d/19Pkv3XxUGkTSuMQtpT1eXOGXELMFEa/edit?usp=drive_link&ouid=109085384195543957527&rtpof=true&sd=true



Link of the content-

https://docs.google.com/presentation/d/1Cxt_PvHDSLEl4vo1YnZrVvCisJqTa1Ps5/edit?usp=drive_link&ouid=109085384195543957527&rtpof=true&sd=true

Text to Presentation

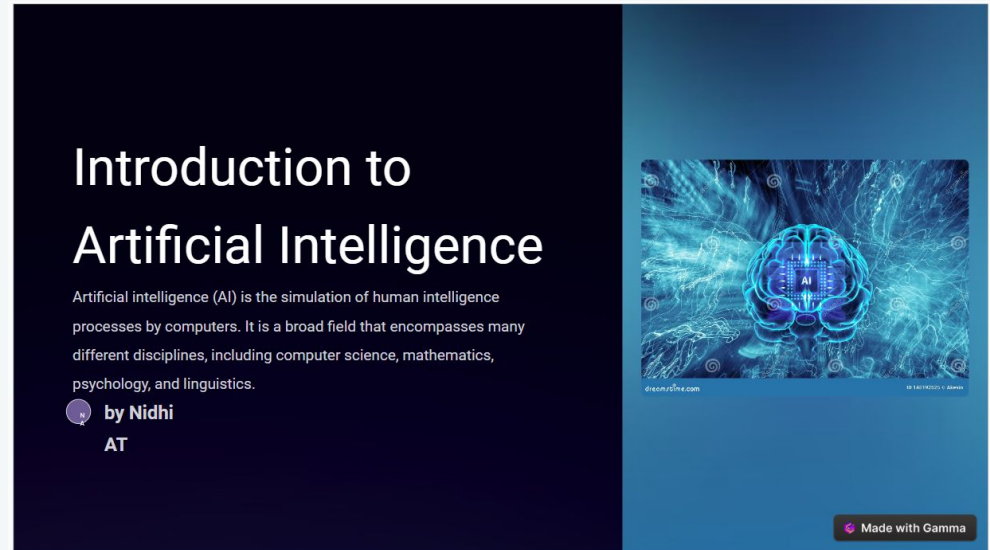
<https://gamma.app/ai-powerpoint>

- 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&sd=true



Text to Presentation

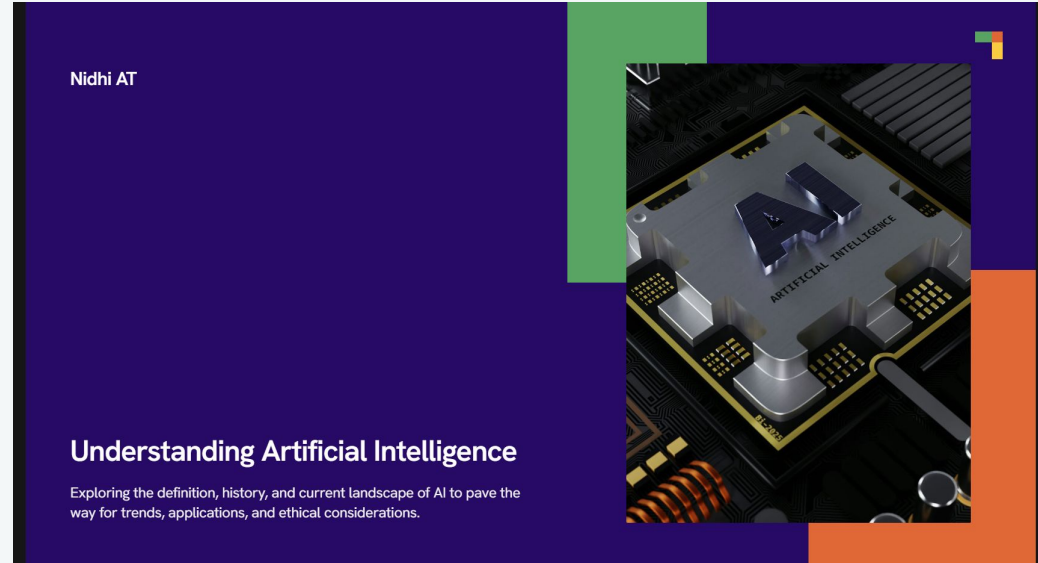
<https://www.presentations.ai/>

Prompt-

create a presentation on Artificial Intelligence

Link of the content-

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



THANKS



Attribution

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

Icons by Icon by Eucalyp , Icon by Iconiyo , Icon

by RaftelDesign , Icon by Freepik , Icon by Flat Icons , Icon by Freepik

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

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