

教師專屬AI助理

自訂AI智能體提升教學效率與創新



蘊思智能
VINCI AI

講者介紹

- Vinci AI 蘊思智能創始人
- 9年人工智能行業經驗
- 香港浸會大學講師，教授碩士班AI課程
- 過往經驗：
 - 香港都會大學高級講師
 - 瑞銀集團數據科學家
 - 中國銀行數據科學家
- 曾擔任世界500強公司的人工智能主管
- 人工智能學術論文發佈在國際頂級期刊



LP Cheung



UBS



中國銀行(香港)
BANK OF CHINA (HONG KONG)



香港浸會大學
HONG KONG BAPTIST UNIVERSITY



香港都會大學
HONG KONG
METROPOLITAN
UNIVERSITY



蘊思智能
VINCI AI

教師常用AI工具

分類	針對教師工作的部分
教學備課及行政	這類工具幫助教師快速生成教學素材、設計教材、撰寫教案或製作簡報。教師可以使用 AI 技術撰寫吸引人的教學文案，設計精美的教學 內容，甚至自動生成簡報和創意課件，節省時間並提升教學質量，例如 M365 Copilot
評估與數據分析	教師可以使用這類工具來分析學生成績數據、生成視覺化報表，或檢測學生作業的原創性。
藝術與創意教學	這類工具專為藝術課和創意教學設計，幫助教師創建視覺、音樂和多媒體 內容
研究與學術支持	這些工具幫助教師 查找學術資源、整理資料並撰寫報告。例如， NotebookLM 、 Perplexity AI 、 GPT Search
提示詞優化與靈感激發	這些工具專注於提示詞優化，幫助教師更高效地使用 AI 工具。例如 PromptPerfect 優化提示詞



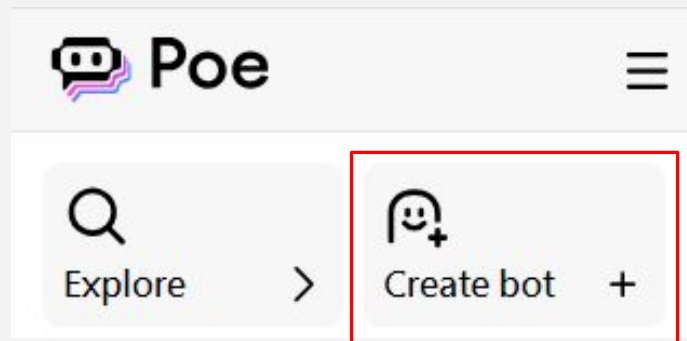
自訂AI助理協助出題



蘊思智能
VINCI AI

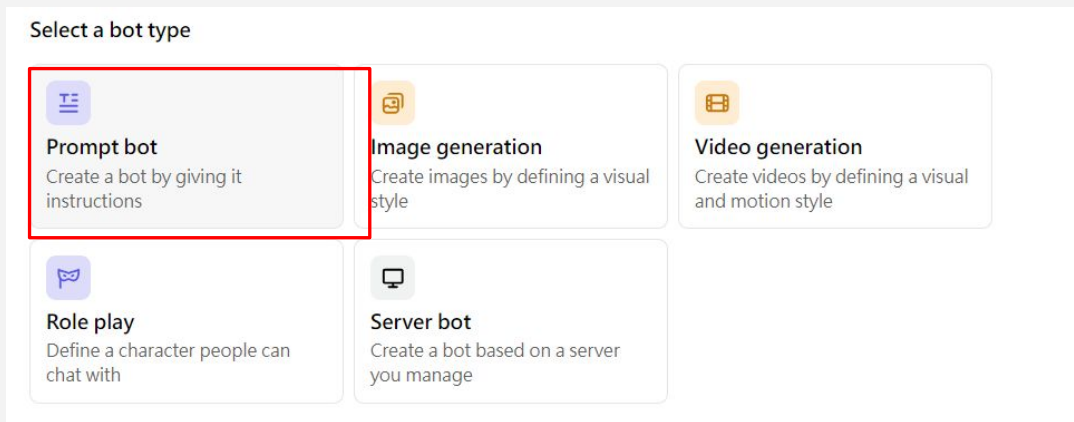
Create Your AI Assistant

1. Log in to Poe (<https://poe.com/>)
2. Look for the **Create Bot** option



Create Your AI Assistant

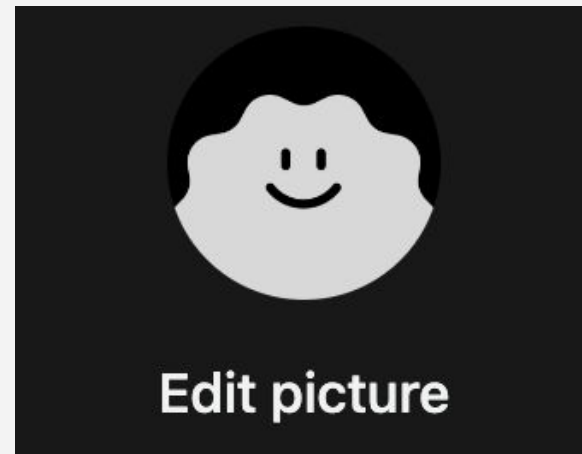
- Click on **Prompt bot**





Create Your AI Assistant

Upload a profile picture (Optional)





Create Your AI Assistant

Select a name for the bot

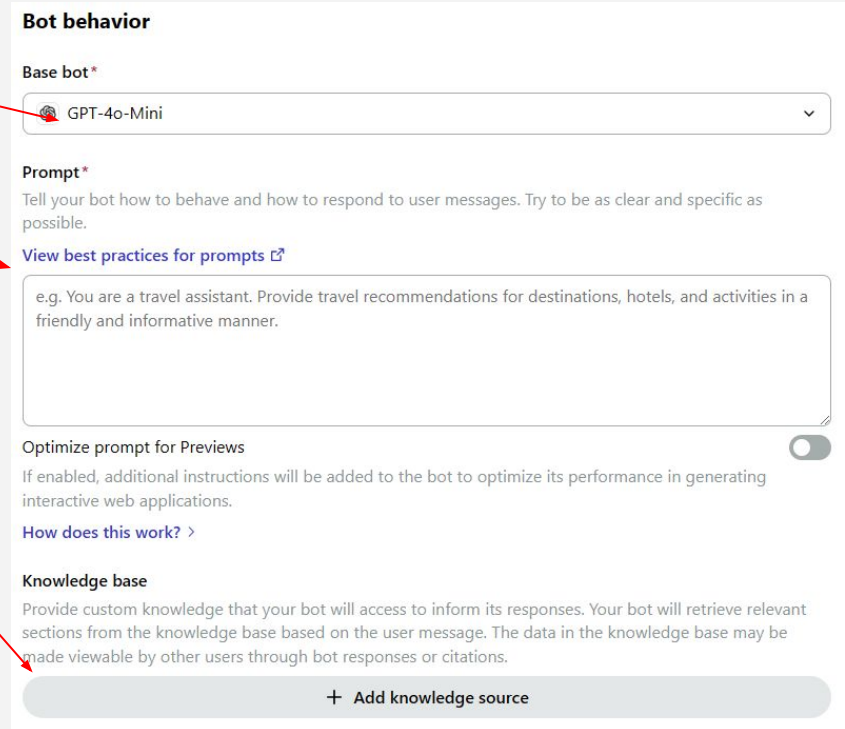
Name *

Should be unique and use 4-20 characters, including letters, numbers, dashes, periods and underscores.

BotANYL3NXUA7

Create Your AI Assistant

1. Choose a base bot
2. Provide a prompt
3. Add a knowledge base



Bot behavior

Base bot *

GPT-4o-Mini

Prompt *

Tell your bot how to behave and how to respond to user messages. Try to be as clear and specific as possible.

[View best practices for prompts](#)

e.g. You are a travel assistant. Provide travel recommendations for destinations, hotels, and activities in a friendly and informative manner.

Optimize prompt for Previews

If enabled, additional instructions will be added to the bot to optimize its performance in generating interactive web applications.

[How does this work? >](#)

Knowledge base

Provide custom knowledge that your bot will access to inform its responses. Your bot will retrieve relevant sections from the knowledge base based on the user message. The data in the knowledge base may be made viewable by other users through bot responses or citations.

+ Add knowledge source

Create Your AI Assistant

The **Base Bot** is the foundational AI bot you will customize

- You are not training an AI bot from scratch
- Instead, you are fine-tuning an existing Base Bot



Llama-3.1-Nemotron

Llama 3.1 Nemotron 70B from Nvidia. Excels in understanding, following instructions, writing and performing coding tasks. Strong reasoning abilities.

OFFICIAL



Claude-3-Sonnet

Anthropic's Claude-3-Sonnet strikes a balance between intelligence and speed. Context window has been shortened to optimize for speed and cos...

OFFICIAL



Claude-3-Opus

Anthropic's Claude 3 Opus can handle complex analysis, longer tasks with multiple steps, and higher-order math and coding tasks. Context window...

OFFICIAL

SUBSCRIBER ACCESS



Gemini-1.5-Flash-128k

Powered by gemini-1.5-flash-002. This smaller Gemini model is optimized for narrower or high-frequency tasks where the speed of the model's...

OFFICIAL



Gemini-1.5-Pro-128k

Powered by gemini-1.5-pro-002. The multi-modal model from Google's Gemini family that balances model performance and speed. The model...

OFFICIAL

SUBSCRIBER ACCESS



Gemini-1.5-Flash-1M

Powered by gemini-1.5-flash-002. This smaller Gemini model is optimized for narrower or high-frequency tasks where the speed of the model's...

OFFICIAL

SUBSCRIBER ACCESS

Common Families of Base Bots

There are hundreds of base bots available in Poe

The four most popular families of Base Bot are:



Gemini
family by
Google



GPT family
by OpenAI



Llama
family by
Meta
(Facebook)



Claude
family by
Anthropic

Naming Conventions for Base Bot



Gemini-1.5-Flash-128k

Powered by gemini-1.5-flash-002. This smaller Gemini model is optimized for narrower or high-frequency tasks where the speed of the model's...

OFFICIAL

Family

Version

Series

Context
Window



蘊思智能

VINCI AI



Common Use Cases and Suggested Base Bots

Use Case	Suggested Base Bot
General-purpose; suitable for most use cases	GPT-4o
General-purpose and faster	GPT-4o-mini
Safety; less likely to generate harmful or biased outputs; more ethical and better at following instructions	Claude 3 Opus
Super large context window	Gemini-1.5-Pro-2M



Provide a Prompt

- **Clear** and **Specific**
- **Role:** Clearly specify the bot's role, such as '*You are an education expert*'
- **Mission:** Clearly state the bot's mission, such as '*Please provide advice on mental health*'

Knowledge Base Format

- **.docx** and **.pdf** are preferred
- **.pptx** is not recommended





Create Your AI Assistant

- Provide a greeting message (optional)
- This is the message that the bot will display when users land on its page

Greeting message

The bot will send this message at the beginning of every conversation.

e.g. Hi there! I'm your travel assistant. How can I help you plan your next adventure today?



Create Your AI Assistant

- Write a bot description (optional)
- This is a short piece of text that describes your bot and will be displayed to users who visit the bot page

Bot profile

Bio

Describe what your bot does and what people can expect from it.

0 / 4000



Warning

If you do not want your bot to be public, make sure to turn off the first button

Access

Make bot publicly accessible

If this setting is enabled, the bot will be added to your profile and will be publicly accessible. Turning this off will make the bot private.



Related bot recommendations


When enabled, your bot will be eligible to be recommended on other bots' pages. Related bots will also be displayed on your bot's page.



Show prompt in bot profile



蘊思智能
VINCI AI



Let's try: Helping you design your worksheets or tests

We can upload our teaching materials and allow the AI to study them, using the materials to design worksheets or tests.



Example 1: Create a Test

- You can download example 1 from the link below.
- https://drive.google.com/file/d/17K_PZTaMRPEG_YYguxdsnZYlr9XyevfT/view?usp=sharing

Example 1: Create a Test

Prompt:

You are an IT teacher. You have to prepare a set of exam paper with answer key.

Base bot *

GPT-4o-Mini

Prompt *

Tell your bot how to behave and how to respond to user messages. Try to be as clear and specific as possible.

[View best practices for prompts](#)

You are an IT teacher. You have to prepare a set of exam paper with answer key.

Optimize prompt for Previews

If enabled, additional instructions will be added to the bot to optimize its performance in generating interactive web applications.

[How does this work?](#)

Knowledge base

Provide custom knowledge that your bot will access to inform its responses. Your bot will retrieve relevant sections from the knowledge base based on the user message. The data in the knowledge base may be made viewable by other users through bot responses or citations.



Example 1.pdf

File · Last updated 16:17



Cite sources

+ Add knowledge source

Greeting message

Create bot



Example 1: Create a Test

The citation can help you
locate where the answer
is in your materials

Multiple Choice Questions

1. **What is the primary advantage of supervised learning?**

- a) Requires no labels
- b) High accuracy rate
- c) Difficult to understand
- d) Complex to implement

Answer: b) High accuracy rate [2]

2. **Which of the following techniques is used for automatically finding and removing personal information from documents?**

- a) Topic modeling
- b) PII Redaction
- c) Text classification
- d) Text extraction

Answer: b) PII Redaction [1]

3. **In unsupervised learning, what does the "K" in K-means refer to?**

- a) The number of labeled data points
- b) The number of clusters formed
- c) The minimum accuracy required
- d) The maximum number of features

Answer: b) The number of clusters formed [6]



蘊思智能

VINCI AI



Example 1: Create a Test

However, it may generate answers that are not mentioned in your materials, as it may also search for information from other resources.

1. **Discuss the process of unsupervised learning and explain how K-means clustering works.**

Answer:

Unsupervised learning involves training a model on unlabeled data to find patterns and relationships without specific guidance or feedback. The primary goal is to uncover hidden structures in the data. K-means clustering is a widely used algorithm in this context. It works by splitting a dataset into K clusters. The algorithm starts by randomly selecting K centroids (the center points of the clusters). Then, it assigns each data point to the nearest centroid based on distance. After all points have been assigned, the centroids are recalculated by finding the mean of all points in each cluster. This process of assignment and recalculation continues iteratively until the centroids stabilize, meaning the assignments no longer change significantly. K-means is commonly used in applications like image clustering and market segmentation [4][6].



Let's try Version 2

We can add rules when providing the prompt.

- **Include Constraints:** Specify any limitations or conditions, such as:

"You can only follow the knowledge base and cannot provide any information outside of it."




蘊思智能

VINCI AI

Example 1: Create a Test

Base bot *

 GPT-4o-Mini

Prompt *

Tell your bot how to behave and how to respond to user messages. Try to be as clear and specific as possible.

[View best practices for prompts](#) 

You are an IT teacher. You have to prepare a set of exam paper with answer key. You can only follow the knowledge base, cannot provide any resource out of it.

Optimize prompt for Previews



If enabled, additional instructions will be added to the bot to optimize its performance in generating interactive web applications.

[How does this work?](#) >

Knowledge base

Provide custom knowledge that your bot will access to inform its responses. Your bot will retrieve relevant sections from the knowledge base based on the user message. The data in the knowledge base may be made viewable by other users through bot responses or citations.



Example 1.pdf

File · Last updated 16:31



Cite sources





Example 1: Create a Test

Allows you to specify the temperature for your bot:

- **Higher temperatures** introduce more randomness in responses, resulting in more creative outputs.
- **Lower temperatures** produce more consistent and focused results.

Advanced ^

Suggest replies



Render markdown content



Custom temperature



Controls the creativity of the bot's responses. Higher values produce more varied but unpredictable replies, lower values generate more consistent responses.

Default: 0.35



0.10



Example 1: Create a Test

Better now.

2. ****Explain the significance of deep learning in text analysis and its key components.****

****Answer:**** Deep learning is a subset of machine learning that utilizes artificial neural networks with many layers to learn from large amounts of data. In the context of text analysis, deep learning enables computers to understand and process human language in a more sophisticated manner, mimicking human-like comprehension. Key components of deep learning include convolutional neural networks (CNNs), which are used for feature extraction from data with grid-like topology (such as images), and recurrent neural networks (RNNs), which are effective for sequential data like text. These models help in detecting patterns and relationships in unstructured data, making them powerful tools for tasks such as sentiment analysis and text classification [[5]](<https://poe.com/citation?>



AI轉型路線圖

使用AI工具



建設校園AI基建



工作流程重構及AI自動化



蘊思智能

VINCI AI

30 款高效能教師必備 AI工具

1. 成熟而廣泛使用的SaaS Platform
2. 有一定知名度
3. 盡量選取有免費版



AI賦能教學

30款必備工具助您成為高效能教師

2024年10月修訂



蘊思智能
VINCI AI



Contact



LP Cheung



Whatsapp