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Generative AI – The potential and pitfalls for VET

Claire Werner




“We won't be replaced by AI, but we will be replaced by people who use AI.”

“I don't think it's going to replace anyone, but in terms of efficiency it's going to change our industry”

What will be discussed...

- The rise of Generative AI
- How Generative AI can help you as an RTO
- What are the challenges of using AI technology in VET
- Strategies to maximise potential and manage the pitfalls



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What is AI

AI-Assisted Technology refers to the integration of artificial intelligence (AI) capabilities into various tools, systems, and processes to enhance and augment human activities.

It involves leveraging AI algorithms, machine learning, natural language processing, computer vision, and other AI techniques to provide intelligent assistance, automation, and decision-making support.

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ChatGPT is but one AI tool - Tell us about the AI you use...

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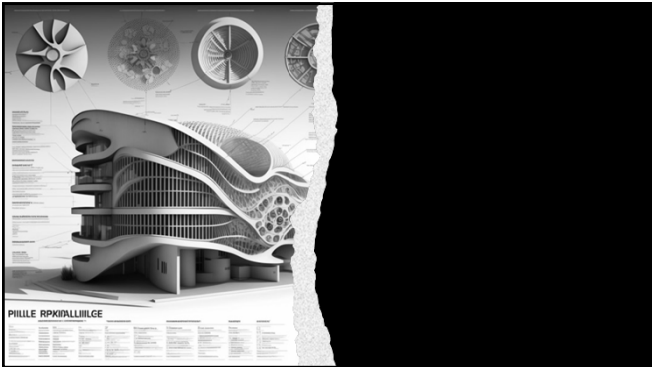
Video	  
Images	  
Text	  
Research	  
Design	  
Presentations	  
Audio	  
Productivity	  

Popular AI tools

- The list is ever-growing and everchanging.
- Have a look at Futurepedia – The largest AI tools directory
www.futurepedia.io

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AI in the Transport
and Logistics
Industry

https://www.youtube.com/watch?v=ymWNSGjXZ_U

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Why is ChatGPT on our radar

Strong market intrigue with AI, a very human-like feel and the power of social media...

- ChatGPT reached 1 million users in the first week of November 2022, 100 million by January of 2023
- It took just 5 days to get to 1 million users, compared to 10 months for Facebook and 3.5 years for Netflix
- 10 million queries are made per day
- Microsoft has invested \$10 billion dollars in Open AI
- Open AI is valued at \$29 billion (USD) after the launch of ChatGPT

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The potential is endless – embrace the tools

- Writing questions and providing feedback
- Designing marking guides
- Composing examples to use in assessments
- Generating discussion prompts to use in learning
- Writing session plans
- Individualising learning
- Resource curation



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TO DO LIST:

1.

2.

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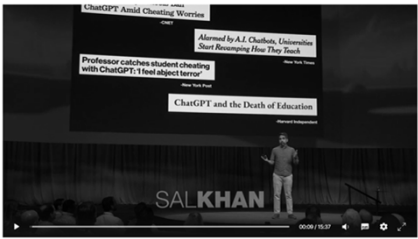
5 minutes

Group activity - session plans

- ChatGPT has generated a suggested outline for a session. It's on page 3-4 of your handout.
- Choose one of the dot points from the session plan and write the prompt for ChatGPT with your group to give you more information that you could use.
- Write the prompt on your prompt card and hand it to the facilitator.

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How AI could save (not destroy) education

1:44:53 (55 mins) | Sal Khan • TED2023

https://www.ted.com/talks/sal_khan_how_ai_could_save_not_destroy_education/c



The Pitfalls – There are a few!

- Lack of regulation and governance
- Data privacy and security
- Bias and discrimination
- Lack of transparency and understanding of the outputs
- Technological limitations
- Ethical and moral considerations

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What are the major risks of ChatGPT being used in the VET sector?

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Can we **adjust** - Typical Assessment questions

Q1. Explain some relevant features of 3 different communication styles.

Q2. List 3 different communication methods and their relevant features.

What do you think of these questions?

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Let's get ChatGPT to write the questions

The prompt - Write an assessment question to determine if a student knows about the key features of 3 different communication styles.

The response - *Describe the key features of three different communication styles: assertive, passive, and aggressive. Provide a brief explanation of each communication style and highlight at least two relevant features for each style. Use examples to illustrate your understanding.*

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Let's get ChatGPT to write the task

The prompt - Write a scenario that will require a learner to use their knowledge of communication styles to critique the scenario and suggest more appropriate communication styles to use.

The response - *You are part of a team working on a group project. One of your team members, John, consistently dominates the discussions, interrupts others, and dismisses their ideas. He tends to use an aggressive communication style, making others feel intimidated and undervalued. As a result, team morale is low, and productive collaboration is hindered. Critique this scenario and suggest more appropriate communication styles for John to use.*

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TO DO LIST:

1.

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5 minutes

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Group activity – improving the assessment task

• ChatGPT has generated a scenario task for us.

• Discuss the task with your group and identify ways that this task could be improved so that the authenticity of the assessment is assured.

We have other tools at our disposal too... Fight it!





The ever-growing list...

• TurnItIn's AI Detection Model

• Winston AI Detection

• Copyleaks AI Content Detector

• OpenAI's AI Text Classifier

• Writer's AI Content Detector

• Content at Scale AI Detector

• Originality.AI Chrome Extension

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Set rules and guidelines for the use of AI

- Clearly label or acknowledge all generative AI content.
- Check the accuracy of generated content using primary sources where applicable.
- Consider how bias might get woven into generated AI results.
- Double-check the quality of AI-generated content using other tools.
- Learn the strengths and limitations of each generative AI tool.
- Familiarise yourself with common failures in results and work around these.

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Resources


- <https://www.teqsa.gov.au/guides-resources/higher-education-good-practice-hub/artificial-intelligence>
- www.futurepedia.io
- www.aitoolsdirectory.com/
- [AI Awesome - Your Ultimate Guide for AI Tools and Products](#)
- <https://www.bestcolleges.com/news/best-ai-detection-tools-cheating-plagiarism/#list-of-AI-tools>


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
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
Questions?


Contact TAC

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
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