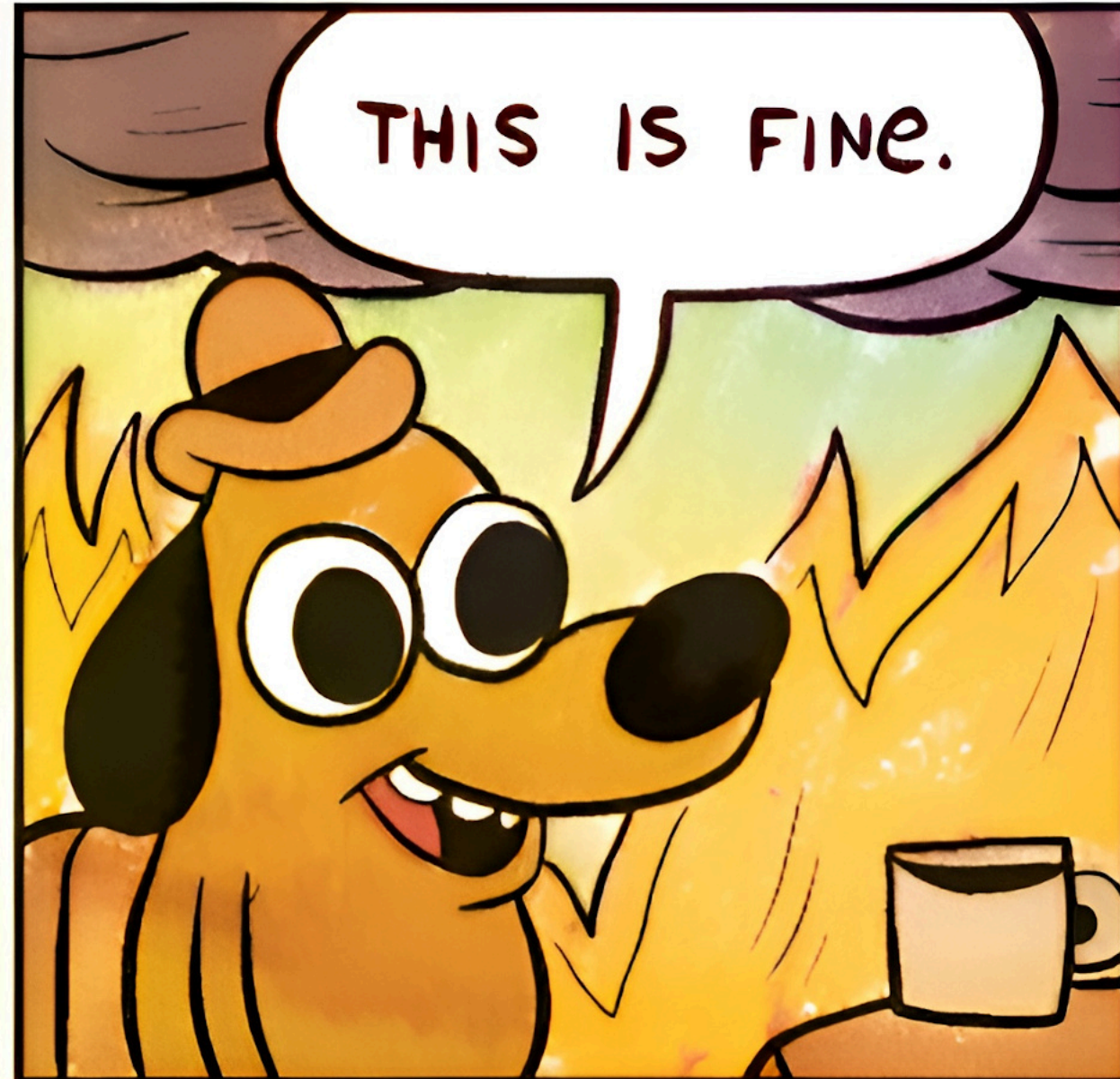
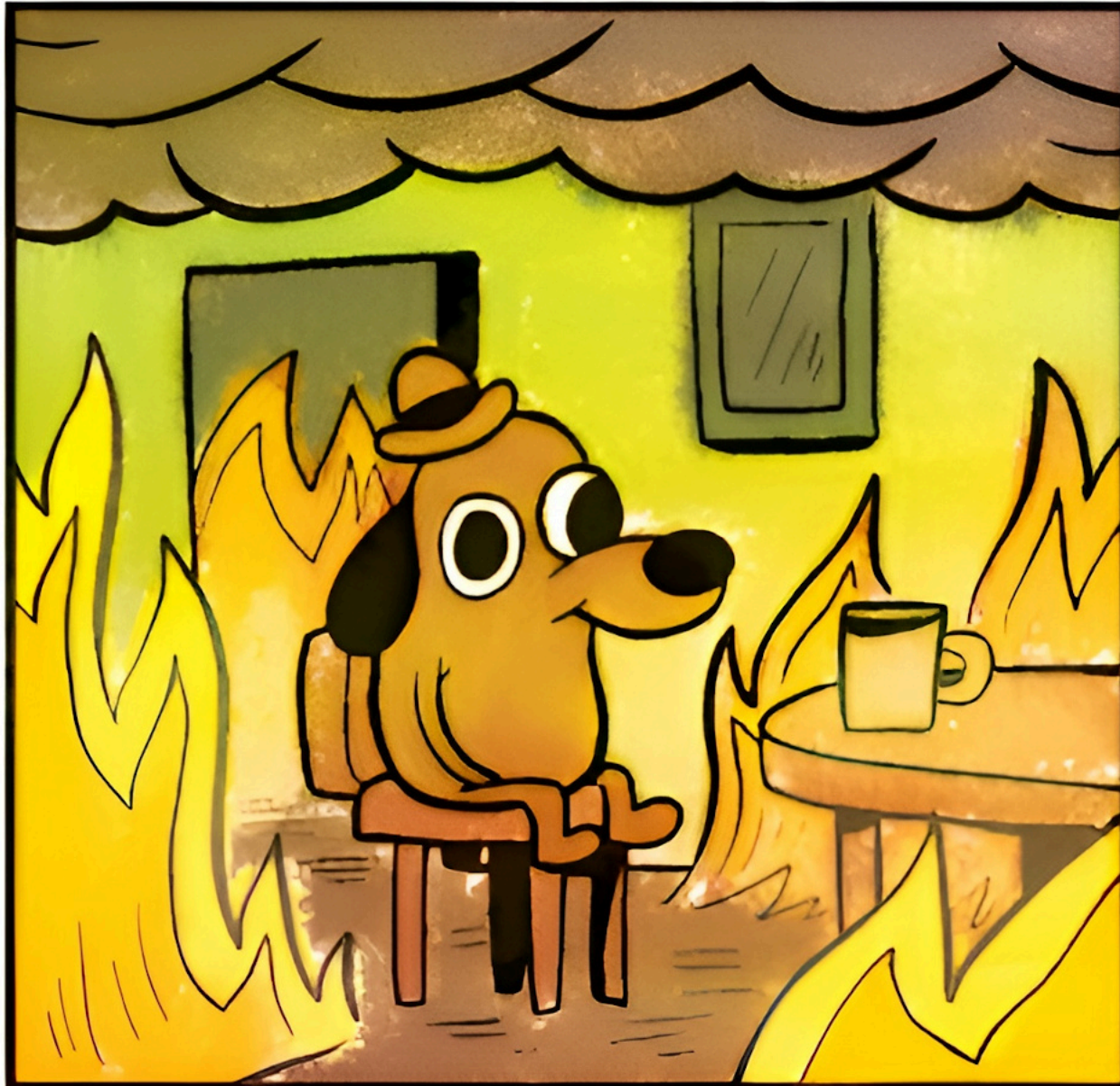


# Emerging Challenges to Academic Integrity

Cameron Foale

IT Discipline Leader

Institute of Innovation, Science and Sustainability



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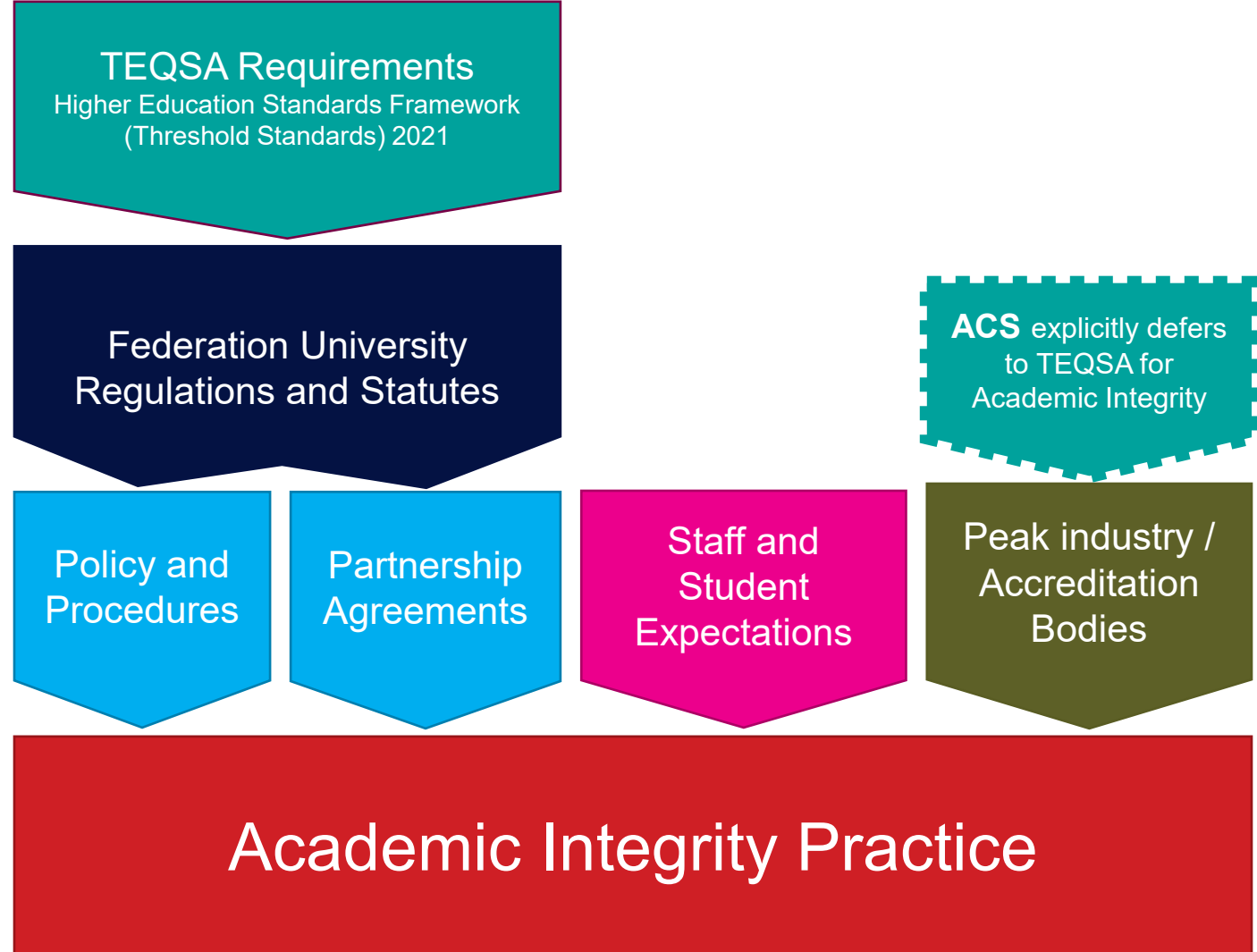
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**Why do we care  
about academic  
integrity?**



# Academic Integrity practice is shaped by several drivers

At the University level, there are legislative requirements that we maintain policies and procedures for detection, prevention, and guidance on academic integrity






# Examples of Academic Misconduct

Big, obvious examples:

- Impersonation for an exam or presentation
- Sneaking notes/devices into exam venues
- Buying a completed assignment
- Faking a medical certificate

Less obvious, surprisingly common examples:

- Working together on an individual task
- Resubmitting previously-assessed work
- Sharing completed assignments with friends, or on CourseHero or similar



Students are usually aware these are not acceptable



And less aware of these

**Business case**  
*Program aims*

**Program design**  
*Program learning objectives*

**Course design**  
*Course learning outcomes*

**Assessment design**  
*Learn and measure*

Why do we even set assessment?

- **Learning and teaching**  
Support students to meet learning outcomes
- **Measurement**  
Evaluate whether students have met learning outcomes

Academic integrity is **critically** important for both of these



**K1.** Relate how IT and the digital revolution have progressed over time;

**K2.** State the uses of emerging technologies within key industry contexts;

**K3.** List major information systems that support business organisations;

**S1.** Write basic programming logic;

**S4.** State and reflect on legal and ethical concerns relevant to IT;

Example learning objectives from **ITECH1100 Understanding the Digital Revolution**, a first-year IT course, common to Bachelor of IT and Master of Technology programs



# K1. Relate how IT and the digital revolution have progressed over time



New chat



# ChatGPT



Examples



I



[ChatGPT Jan 30 Version](#). Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.

## K2. State the uses of emerging technologies within key industry contexts



New chat



May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

H|



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## K3. List major information systems that support business organisations



New chat



May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

List major information systems that support business organisations



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Ok, but that's not how we measure learning outcomes

Typically we ask students to complete a practical assignment or an examination

# This is a summary of the tasks required for ITECH1100's Video and Disruption report

Students are allocated a topic, and are asked to research it and provide suggestions for disruption.

## Part one - Research

- Write a short description of the technology and the industry (150-300 words each), and add both to your ePortfolio page.

## Part two – Brainstorming disruptions

- For your topic, list *at least four ways* the technology may change or disrupt the industry (50-150 words each).

## Part three – Disruption

- Choose a single one of your changes or disruptions.
- Identify one process** within your industry or activity that would be affected by your chosen disruption. For this process, determine its triggering **Event**, any **Activities**, **Decision Points**, and **Actors/Resources**, and finally an **Outcome**.
- Provide a written description of how this process will **be affected by your chosen disruption**.
- Support your written description with **BPMN process models of the process before and after disruption**.



## New chat



May occasionally generate incorrect information

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## RPA Impact on Dairy Industry



processes, ensuring consistent quality, and reducing the risk of errors. The technology can also assist with supply chain management, optimizing the movement of dairy products from the farm to the customer. In conclusion, RPA technology has the potential to revolutionize the dairy industry, improving efficiency, reducing costs, and enhancing customer satisfaction.





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## RPA Impact on Dairy Industry



4. **Better Data Management:** RPA technology can automate manual data entry tasks, ensuring accuracy and reducing the risk of errors. It can also help to consolidate and analyze data from various sources, providing valuable insights into the dairy industry and enabling informed decision-making. This can lead to better customer service, product innovation, and industry growth.



I  



## RPA Impact on Dairy Industry



1. Accurate and up-to-date information on orders and inventory
2. Efficient and streamlined process, freeing up employees' time for more value-added activities
3. Improved customer service and satisfaction through faster and more accurate order processing and delivery.



|  I 📧 ↺



# This is a summary of the tasks required for ITECH1100's Video and Disruption report

Students are allocated a topic, and are asked to research it and provide suggestions for disruption.



## Part one - Research

- Write a short description of the technology and the industry (150-300 words each), and add both to your ePortfolio page.
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## Part two – Brainstorming disruptions

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- 
- 

☰ RPA Impact on Dairy Industry +

before disruption]

BPMN Process Model (after disruption):

[Insert image of BPMN process model for data entry and inventory management process after disruption]



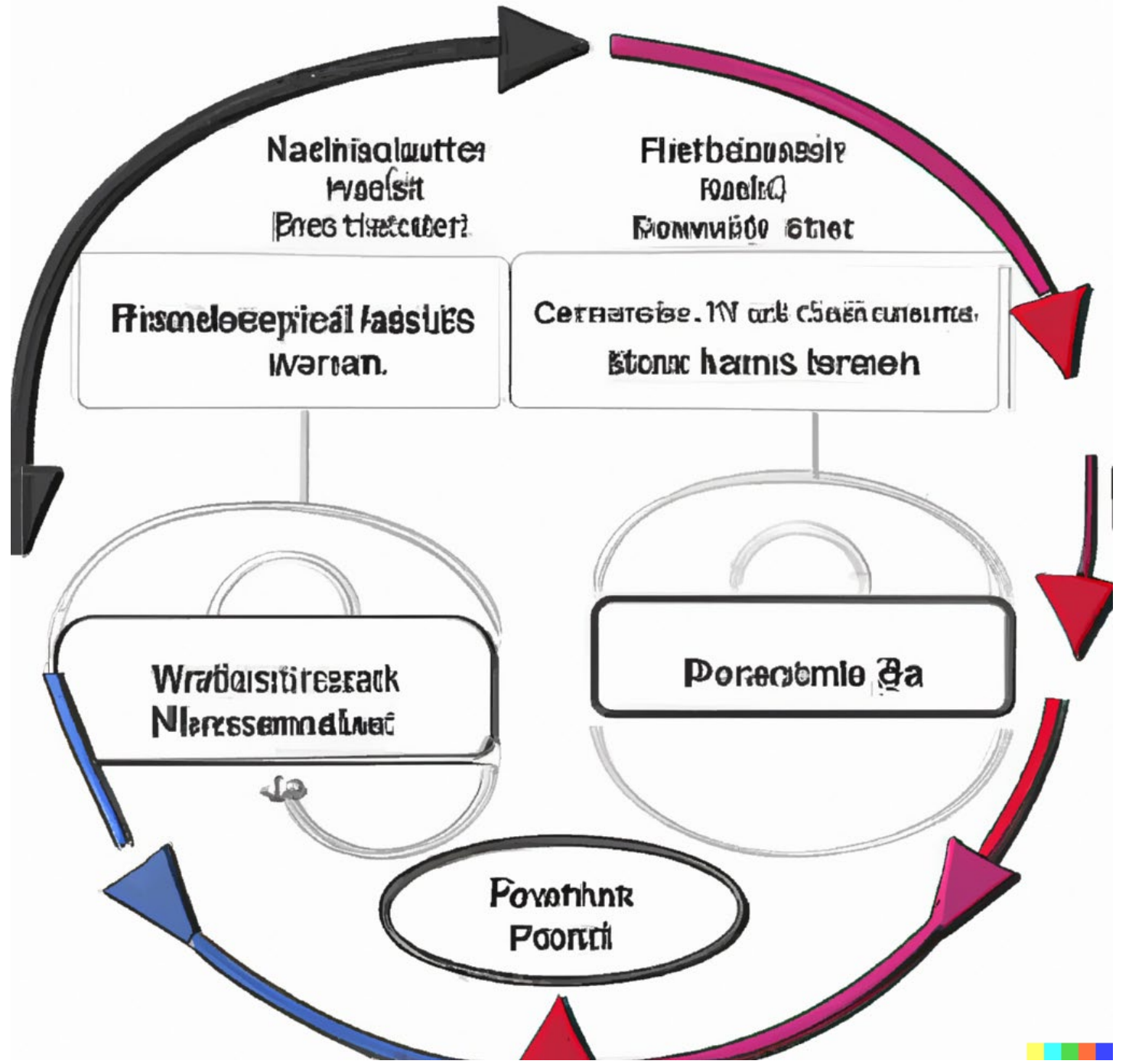
Creat

I



Not yet able  
to generate  
diagrams,  
models, or  
charts

Can write code to  
generate charts  
though



# What to do??

This is the big question academics are grappling with at the moment

Two main perspectives:

- Using ChatGPT is **cheating**. The student is not submitting their own work
- ChatGPT is a **language calculator**. Take lessons from Mathematics.

# ChatGPT is *cheating*

## But, it's largely undetectable

OpenAI has recently added a detector, but as the *whole goal* of large language models is to be human-like, they can't detect their own AI model with much precision

## Covered by Federation policies as *contract cheating*



This is the text generated for the previous question

The detector says *possibly* AI-generated

### Text

Before the disruption, the data entry for orders and inventory management process in the dairy industry involves manual tasks performed by employees. This process can be time-consuming, prone to errors, and a burden on the employees. The process is triggered by the receipt of a new order and involves the manual entry of order information into the system and the updating of the inventory management system with the order details. The process also involves decision points such as verifying the accuracy of the data entered and checking the availability of the ordered product in the inventory. The process is carried out by employees and relies on the inventory management system as a resource.

After the disruption, the implementation of RPA technology will automate the manual tasks involved in the data entry and inventory management process. The process will still be triggered by the receipt of a new order, but the data entry and inventory updates will be performed by the RPA software robot, significantly reducing the time required to complete the process. The RPA technology will also ensure the accuracy of the

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Submit

Clear

The classifier considers the text to be **possibly** AI-generated.

After asking ChatGPT to rephrase in the style of a University student, the detector loses confidence.

### Text

errors, putting added stress on employees. The process was initiated upon receipt of a new order and involved manual input of the order information into the system, as well as updating the inventory management system with the order details. The process also included decision points such as confirming the accuracy of the data entered and checking the inventory levels for the requested product. The manual process was executed by employees and relied on the inventory management system as a resource.

With the implementation of RPA technology, the manual tasks associated with data entry and inventory management are now automated. The process remains initiated by the receipt of a new order, however, the data entry and inventory updates are performed by the RPA software, resulting in a drastic reduction of time spent on the process. The use of RPA technology also ensures the accuracy of the data entered and immediately updates the inventory management system, negating the need for manual verification. The employees are freed from repetitive tasks, allowing them to focus on more impactful endeavors, such as product development and enhancing customer service.

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Submit

Clear

The classifier considers the text to be **unclear if it is AI-generated**.

# ChatGPT is an efficiency multiplier for Contract Cheating

Contract cheating agents charge around **AU\$80-150** for a single assignment

Including formatting, revisions, referencing etc

A very competitive marketplace - I expect the price to fall significantly as agents embrace ChatGPT

What if a completed assignment was \$10 instead?

# ChatGPT is a fancy calculator

Where is the line between using Grammarly and ChatGPT?

How can we create activities that allow students to use this tool?

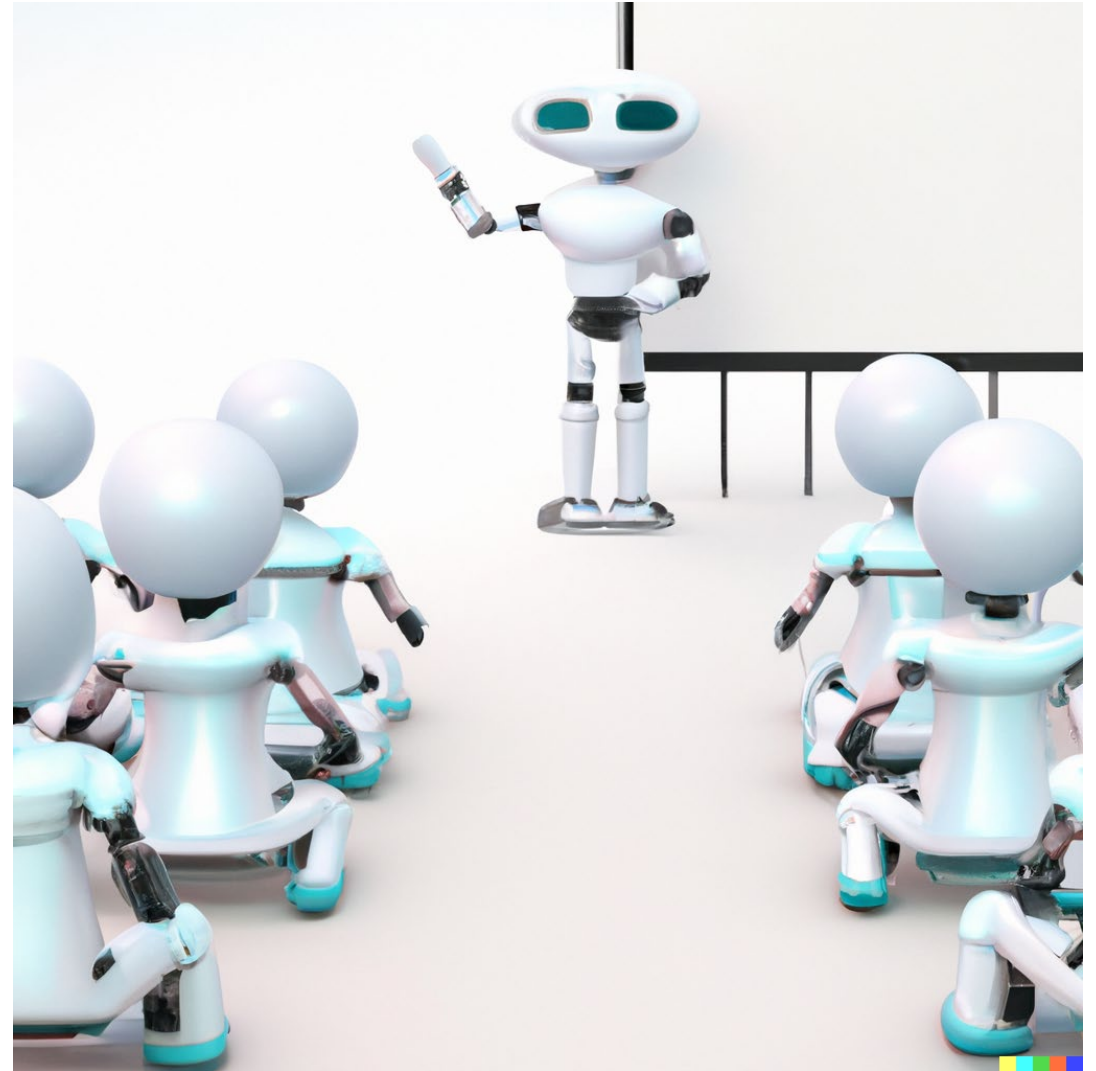
- Students reviewing and critiquing the work of ChatGPT

- Setting expectations higher - more complexity

- Avoid simple description tasks

# ChatGPT as instructor?

Can we build systems that allow students to ask questions and get instant feedback from an AI



## Similar tools

### Github CoPilot

Integrated with programming tool Visual Studio Code, and automatically writes code

### Synthesisia

Generates "talking head" videos

### ElevenLabs

Upload a few minutes of somebody's voice, and convincingly synthesize it

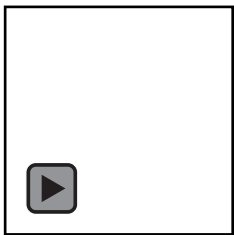
**ChatGPT, write me a presentation describing the disruption.**

Good afternoon everyone, and thank you for joining me today to discuss the potential impact of Robotic Process Automation (RPA) on the dairy industry. Before we delve into the specifics, let's first take a look at the current state of the industry. In the dairy industry, the process of data entry and inventory management was previously carried out manually by employees...

**It needs a voice**

## **ElevenLabs to the rescue**

**This is an "instant voice clone", from about 3 minutes of recording of my voice. Better things are coming!**



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# ChatGPT isn't the end!

Progress on Large Language Models has been astonishingly fast

Transformer networks introduced in 2017

GPT2 released in 2019

GPT3 released in 2020

GPT3.5 and ChatGPT in 2022

What's coming in 2025??