



Integrating GenAI into Midwifery Teaching Learning and Assessment

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Context & Objectives

Aim: To develop Artificial Intelligence (AI) literacy among Higher Diploma Midwifery students, enabling them to engage with generative AI tools critically, ethically, and responsibly within academic and professional contexts.

Objectives: Students will be able to describe, apply, analyse, evaluate, and reflect on the use of GenAI in academic work, demonstrating ethical judgment, critical appraisal skills, and responsible disclosure.

Needs Analysis

Who are the learners?

- Higher Diploma Midwifery students: registered nurses undertaking postgraduate preparation for midwifery practice
- Mature learners from diverse educational and cultural backgrounds.

Why include GenAI in this module?

- Current assessment strategy- 2000-word assignment-vulnerable to undisclosed GenAI use.
- GenAI not covered in the curriculum at present.
- The module learning outcomes align with critically examining ethical and legal principles, the contribution of information and assistive technologies and the role of reflection in personal and professional growth.

Assessment Strategy

- **Main assignment (1,500-word count)**
- **Statement about GenAI use in their work.**
- **Reflective assignment (500 words)**
 1. Experience of Using GenAI for the assignment
 2. Critical Discussion of GenAI Outputs
 3. Academic Integrity and Ethical Considerations

GenAI Integrated Teaching & Learning

Pre-learning activity: Students are directed to resources on the TCD GenAI hub to learn about how GenAI works, identify the challenges and risks and to learn about academic integrity when using GenAI.

GenAI workshop: A two-hour in-person session, based on the PAIR framework, introduces how GenAI works, permitted use within the module (AI Assessment Scale – Level 3), and guided use of GenAI for assignment brainstorming, with emphasis on critically evaluating outputs and limitations.

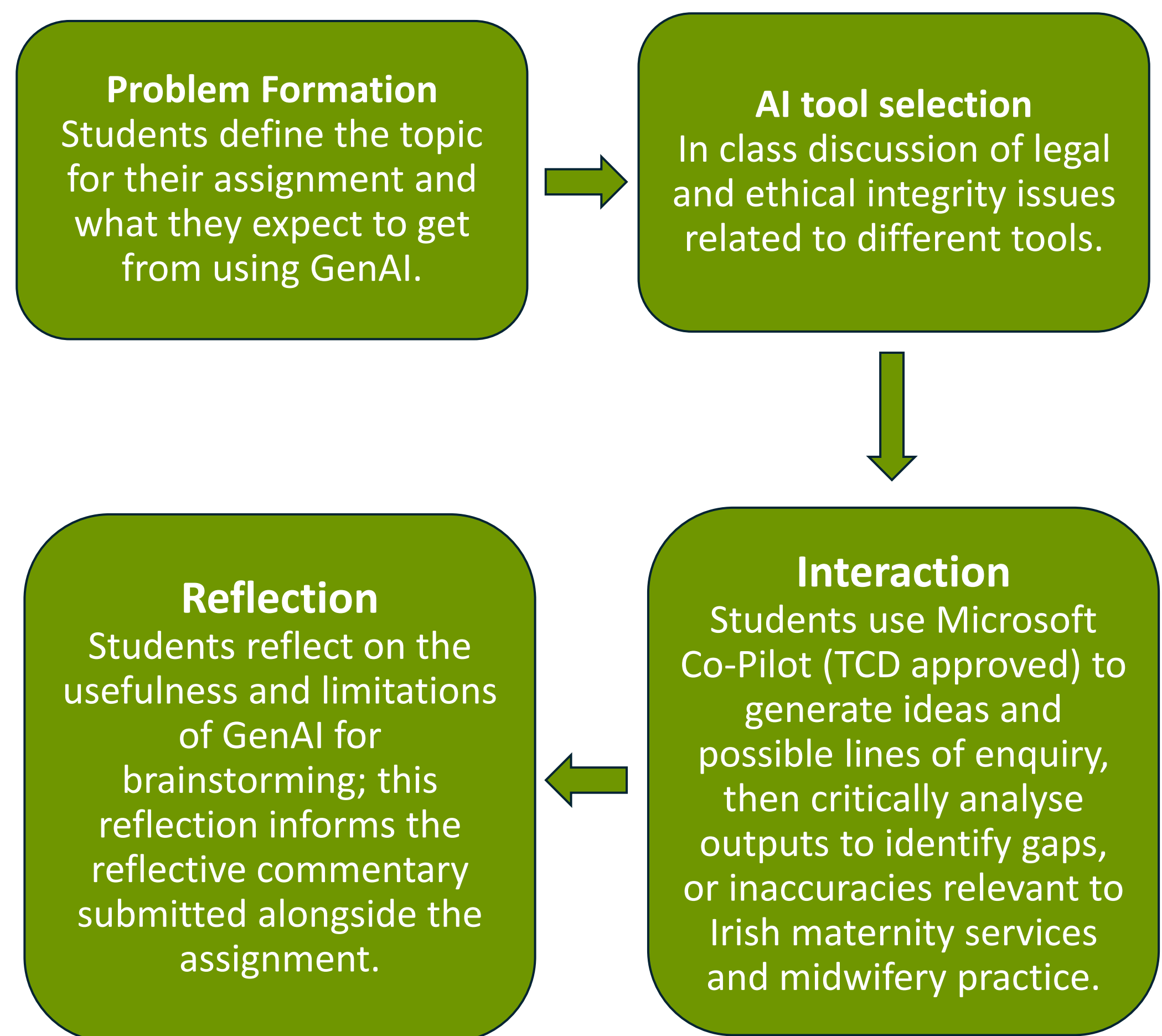


Figure 1: PAIR framework modified from *Acar, Oguz A. (2023). "Are Your Students Ready for AI? A 4-Step Framework to Prepare Learners for a ChatGPT World."*

Reflection of Chat-Bot Development for Pre-Learning Activity

Initially, an "Academic Integrity Chatbot" was developed using Poe. The chatbot was trained using the *Trinity College Statement on Artificial Intelligence and Generative AI in Teaching, Learning, Assessment and Research* and resources from the *TCD GenAI Hub*. As institutional guidance evolved, the use of non-TCD approved platforms was not recommended.

At present, there is no way to create a chatbot or agent using TCD approved GenAI tools. This highlights the reality of balancing organisational instruction that aims to ensure ethical use of information and protect students with less restricted GenAI resources that do not have the same privacy and copyright considerations but appear much more user friendly.

