



DEC Teaching with AI Working Group

Guiding Document for Session #002

Previously on Teaching with AI

The **East group** reached consensus that **Problem 2 (Structured Approach to AI Integration in Teaching)** is the most immediate and actionable priority, with strong support for frameworks, step-by-step guides, and quick wins to lower barriers for faculty. Problem 4 (Examine AI's Impact on Learning Outcomes) was also rated highly as a natural next step.

The **West group** showed more divergence. While **Problem 2** again received strong support, several delegates recommended merging it with **Problem 1 (Redefining the Role of Educators)**, ensuring to frame AI as a *partner rather than a replacement*. Problem 3 (AI to Enhance the Student Learning Experience) attracted more enthusiasm than in the East session, though concerns were raised about the pace of technological change. Problem 4 was valued as critical to generating the evidence base for faculty adoption.

Additional input included: aligning faculty development with student AI progression; addressing student motivation in the AI era; and strengthening faculty buy-in.

Objectives of Session #002

Based on input from both groups, a practical direction for this working group is to develop a **framework for structured AI integration in teaching** — one that functions

both as a quick start for those new to AI and as a deeper guide for those already experimenting.

The framework will emphasise practicality through step-by-step guidance, while also considering how AI reshapes the role of educators and the types of tools they can use, thereby touching on Problems 1 and 3. It could further outline potential measurement points to evaluate the impact of AI, providing a foundation for future research.

Therefore, in Session #002, we will focus on:

- **Clarifying** the objectives and intended audience of the framework
- **Mapping** the key areas of teaching where AI can provide support
- **Identifying** concrete AI applications within each teaching area

Key Discussion Points for Session #002

1. Objective and Audience of the Framework

- *Who are the core audiences for this framework, and how can we ensure its relevance across diverse audiences?*
- *What key components should the framework include, and what considerations must be addressed?*

2. Key Areas of Teaching Where AI Can Support

- *Considering the full teaching and learning process, which parts do you believe can be most effectively supported by AI?*
- *If we break the process down, which areas are highly suitable for AI support, and which should remain “AI-free”?*

Example Teaching Cycle

- Lesson Preparation
- Content Delivery & In-class Engagement

- Assignments & Assessment Design (DEC has one working group dedicated to AI in Assessment)
- Feedback & Grading
- Student Support
- Professional Development for Faculty

3. AI Applications in Each Area

- *For each teaching area identified, how could AI be used in practice, and what types of tools might be most effective?*
 - *What risks or pitfalls should we anticipate if faculty adopt these practices?*
 - *What is the educator’s role when using AI?*

Example AI Applications

Teaching Area	Example AI Applications
Lesson Preparation	• Course design • Curate latest research or cases
Content Delivery & In-class Engagement	• Simulated debates or role-play • AI live feedback to educators
Assignments & Assessment Design	• AI assist in assessment generation • AI-integrated assessment
Feedback & Grading	• Draft personalised feedback from rubrics • Auto-score low-stakes quizzes/tasks
Student Support	• Customised AI tutor that provides insights to educators • AI study planner
Professional Development for Faculty	• AI-generated feedback for teaching • AI-simulated teaching scenarios

Next Steps

Complete a short survey to share additional AI practices in teaching. The DEC team will distribute the survey.

The DEC team will integrate discussion notes and survey responses to map the key teaching areas where AI can provide support, along with concrete examples of practices. The mapping document will be sent out ahead of session #003.

To be discussed in the upcoming sessions:

Structured Pathway for Adoption

- *When planning adoption, what criteria should institutions use to prioritise which AI practices to implement first?*

Starter Guide for Impact Measurement as Future Research

- *Based on the AI applications mapped out in the framework, how can we measure their impact on student learning outcomes?*