

Redesigning Assessment with Generative AI:

Collaborative Wiki Project: A Community Approach to Learning



CASE SCENARIO 1

In a course on International Relations, students are put into teams and assigned a specific global issue on which they need to create a wiki page, such as climate change or global migration. The page should include sections such as historical background, future implications and possible solutions.

After the wikis are completed, each student is required to write a reflection on the collaborative process, discussing the challenges they faced, how they managed conflicts within the team, and how they used GenAI tools to help with their work, etc.

Moreover, each group is assigned another group's wiki to review and critique. This encourages students to critically evaluate the work of their peers and to gain exposure to different perspectives on global issues.

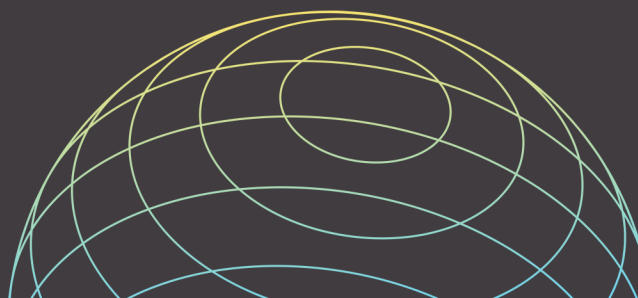


CASE SCENARIO 2

In a biotechnology course, students are divided into small groups and assigned a specific topic in biotechnology on which they need to create a wiki page. In addition to the wiki, each group is tasked with designing a simple experiment or demonstration related to their topic.

In their reflection, students should discuss the process of designing and conducting their experiment, the challenges they encountered and how they managed to integrate their practical work with the theoretical content in their wiki.

For the critique component, groups need to review another group's wiki and try replicating their experiment based on the instructions provided. Constructive feedback should be provided on components such as the clarity of the instructions and the relevance of the experiment.



INTRODUCTION

The Collaborative Wiki Project promotes cooperative learning, research skills, and knowledge sharing as students are required to work together to create a comprehensive wiki on a specific topic related to their course.

This assessment strategy can leverage the essential skills of collaboration and cooperation by allowing students to co-create knowledge in a shared digital platform, fostering a sense of community and collective learning.

RATIONALE

The Wiki project exhibits the authenticity of student work by demanding original contributions, teamwork, and active participation. While GenAI can assist students in generating drafts or gathering information, it requires more from students in analyzing information, constructing arguments, and collaborating with others.

Teachers can provide specific rules on the use of AI-generated content, ranging from disallowing its use altogether, to allowing it only for initial drafts or for generating ideas. Incorporating reflective elements into the project can also maintain the authenticity of student work.

HOW DOES IT WORK?

Students are divided into groups and assigned a relevant topic or theme. They work together to research, write, and compile information into a comprehensive wiki page. The wiki is a live document that students continuously update throughout the term, demonstrating their cumulative knowledge.

Assessment criteria can include:

- **Wiki Content:** The depth and breadth of the information presented, accuracy of the facts and details, inclusion of various perspectives and considerations.
- **Organization and Clarity:** The structure and layout of the wiki, logical flow of information, clarity and conciseness of the language used.
- **Collaboration:** Effectiveness of group collaboration, including division of tasks and collective decision-making.
- **Multimedia and Design Elements:** The effective use of images, videos, infographics, etc. to enhance presentation and understanding of content.
- **Reflection Piece:** The depth of the reflection on the collaborative process and the use of GenAI.
- **Peer Review:** The depth and constructiveness of feedback provided to another group's wiki, the ability to give respectful and thoughtful critiques.

BENEFITS & CHALLENGES

Benefits

- Encourages collaborative and active learning
- Enhances research and digital literacy skills
- Allows students to explore and deeply understand a specific topic
- Provides a lasting resource for future reference

Challenges

- Requires constant monitoring and guidance to ensure equal participation
- The quality of the final work can be varied due to differences in individual contributions
- Might require training on how to use the wiki platform