

## BENEFITS & CHALLENGES

### Benefits

- Authentic demonstration of students' understanding and application of knowledge.
- Develops a variety of essential skills, such as critical thinking, problem-solving and collaboration.
- Promotes creativity and innovative thinking.
- Allows for personalized learning experiences and outputs.
- Encourages the practical application of theoretical knowledge.

### Challenges

- May require more resources and time from both students and teachers.
- The assessment of projects can be subjective and complex.
- The open-ended nature may cause anxiety for some students.
- Ensuring fair group contribution in team-based projects.

## CASE SCENARIO 1:

Students from a range of disciplines come together to design an innovative solution to address the challenges of modern cities in achieving sustainability. The solution can be a policy proposal, architectural design, business model, or any other concept that can effectively contribute to sustainable development.

After presenting their project and solution, students submit an individual reflective journal in which they reflect on their learning experience, the challenges they faced, and implications of their project, etc. Feedback will be given to the students from a panel based on their presentation and reflections. Then, students can revise their projects to create a final version.

Throughout this process, the use of AI is mainly limited to data gathering, aiding brainstorming sessions, and providing a broader perspective on the chosen issue. The actual development, design, and execution of the project solution require deep critical thinking, creativity, and the application of acquired knowledge – aspects that cannot be authentically replicated by AI.

## Redesigning Assessment with Generative AI:

### Assessment Beyond Essays: Creative Multidisciplinary Project Showcase



## INTRODUCTION

The Creative Multidisciplinary Project Showcase is a hands-on, immersive, and authentic assessment method that moves beyond traditional essay writing. This approach requires students to create a project that integrates knowledge from different disciplines, demonstrating their comprehensive understanding, critical thinking, and ability to apply theoretical knowledge to real-world problems.

Compared to traditional essay writing, the Multidisciplinary Project Showcase captures a broader range of student capabilities while ensuring authenticity, which renders it a relevant and innovative alternative for assessment in the era of Generative AI.



## RATIONALE

A Multidisciplinary Project Showcase can demonstrate authentic work as it requires students to apply their understanding of various subjects to a concrete project. Even with the help of AI tools, the final creation will be highly dependent on students' individual perspective, creativity, and application of knowledge which are difficult for AI to replicate. It also enables students to cultivate and demonstrate a variety of skills, such as critical thinking, project management, and communication, which are essential in the 21st-century.



## HOW DOES IT WORK?

In this assessment, students are tasked developing a project that provides a solution to a real-world problem or scenario. Throughout the project development process, students can consult GenAI tools to aid in research, idea generation, or organizing their findings, but the final project needs to be their original creation.

### **Assessment criteria can include:**

- **Interdisciplinary Understanding & Integration:** Demonstration of understanding and integration of knowledge from different disciplines.
- **Innovation & Creativity:** Originality and creativity of the proposed solution.
- **Research Quality:** Breadth and depth of research conducted, and its effectiveness in supporting the proposed solution.
- **Solution Design & Execution:** Feasibility, detail, and overall quality of the solution's design and execution.
- **Presentation Skills:** Clarity, organization, and persuasiveness of the project presentation.
- **Reflection:** Depth of insight and self-awareness demonstrated in the reflective journal.
- **Response to Feedback & Iteration:** The extent to which the final version of the project addresses feedback received and shows improvement from the initial version.