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Ethical AI: Ensuring Integrity with Inclusive Assessment Methods

University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

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RATIONALE

- In the rapidly evolving digital era, **integrating authenticity in assessments** is crucial for **maintaining academic integrity** and fostering a developmental education approach.
- Educational theories from Shulman (2005), Gardner (1983), Meyer, Rose, & Gordon (2014), Lave & Wenger (1991), and Ausubel (1977) applied to refine assessment strategies.
- Emphasis on student involvement in assessment creation. Enhancing their engagement and sense of agency.
- With the emergence of AI tools like ChatGPT, Bard, and Microsoft Copilot, the conversation around assessments in higher education is shifting, highlighting the **need for ethical AI integration.**

OBJECTIVE

- **Enhance Academic Integrity:** Align teaching strategies with UCC's Connected Curriculum to emphasize Academic Integrity in the digital era.
- **Develop Inclusive Assessments:** Involve students as co-designers in assessments, enhancing engagement and ownership of their learning process.
- **Utilise Turnitin Effectively:** Employ Turnitin in lectures to emphasize originality and prevent academic misconduct.
- **Align with UCC's Educational Goals:** Ensure teaching methods resonate with UCC's Goal Two (2023-2028), focusing on honesty, authentic learning, and skill development.
- **Adapt to AI Advancements:** Integrate AI tools like Chat GPT in teaching, enhancing learning while maintaining academic integrity.
- **Demonstration:** This poster showcases the successful application of inclusive assessments and ethical AI use in teaching and learning, addressing the challenges of unethical AI use

QUESTIONS

What can lecturers do to encourage Academic Integrity?

How can we address risks and encourage the ethical integration of AI?

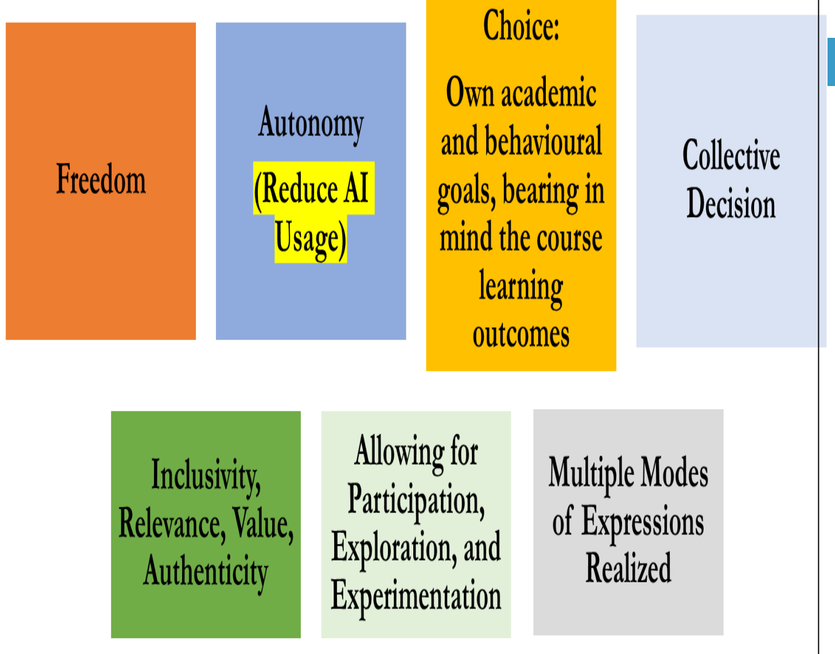
ANSWER

Inclusive assessment design

- Get students involved as **PARTNERS,** in the assessment design.
- Students as Co-Creators of Authentic Assessment with Choice
- Allows for multiple means of expression, mitigating the risk of inappropriate and unethical use of AI applications.

LECTURERS ROLE

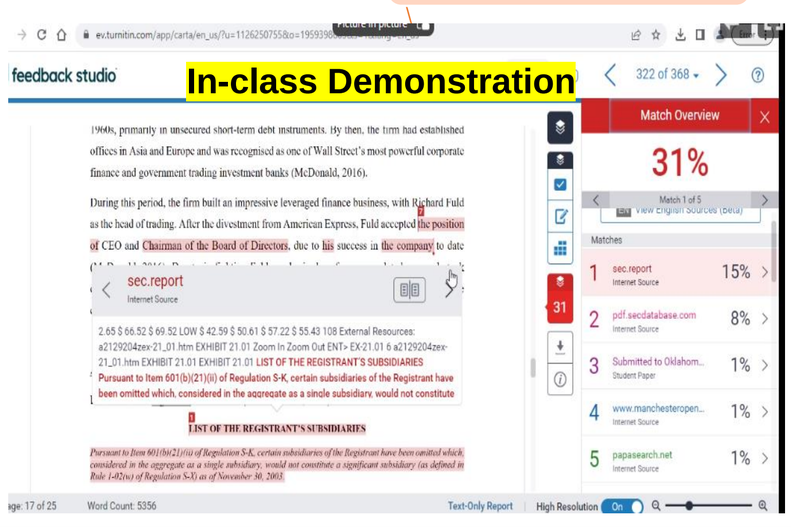
- Student partnership model to **co-create assessments.** Resulted in heightened sense of



CHANGES MADE

Assessment went **from**: Two MCQ's

1. Lower weighting MCQ
2. WhatsApp/ Media assignment
3. Current Newspaper/Article review



STUDENT IMPACT



Turnitin Understanding:

- ✓ Initial basic understanding: 88%.
- ✓ Post-Demonstration confidence: 100%.

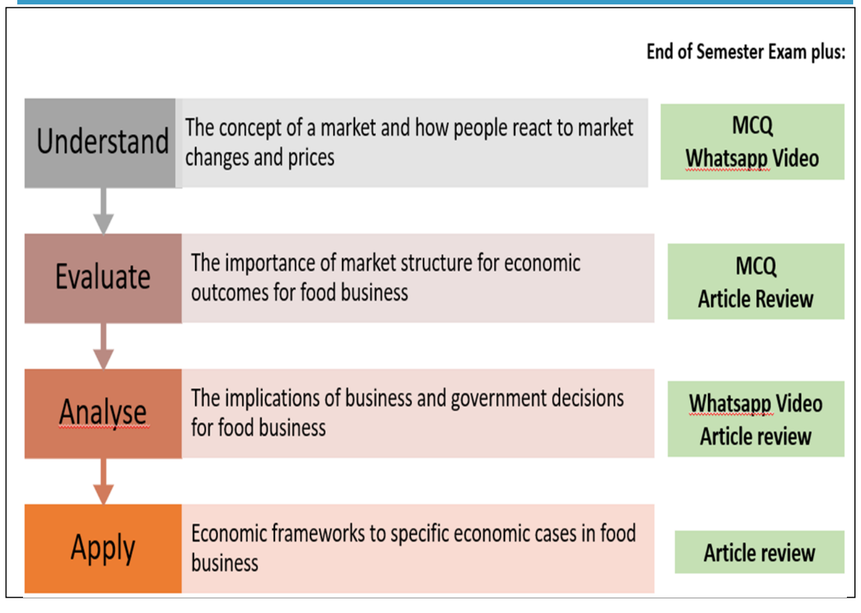
Turnitin for Qualitative Assignments:

- ✓ 82% agree it ensures academic integrity
- ✓ 70% agree valuable for providing improvement feedback.

To limit Use of AI

- **Turnitin Beyond Plagiarism Checking:**
  - Integrated in learning for understanding originality.
  - Interactive sessions on academic malpractice.
- **Hands-On Demonstrations:**
  - Step-by-step Turnitin guides.
  - Analysing sample reports for plagiarism awareness.
- **Interactive Learning:**
  - Real-time feedback with Socrative polls.
- **Applying Theory in Practice:**
  - Encouraging practical use of Turnitin in assignments.
  - Focusing on submission authenticity

APPLICATION



IMPACT ON LEARNING AND TEACHING

Mitigating the Risks and Fostering the Ethical Integration of AI with Inclusive Assessment Design led to:

Evolved Teaching Pedagogy:
- Emphasis on collaboration and co-creation with students.
- Fostered a two-way dialogue aligning course outcomes with learner needs.

Transformative Student Learning:
- ✓ Inclusive assessment approach increased student inclusion, connection, and agency.
- ✓ Feedback and grades indicate heightened student engagement and creativity.
- ✓ Diverse methods like MCQs and real-world applications deepened subject understanding.

Fostering Academic Integrity:
- Prepared students for ethical and responsible societal roles.

Nurturing Lifelong Learners:
- ✓ Students developed critical analysis skills for AI-generated content.
- ✓ Enhanced transparency in academic work.

Limited Scope to use AI

Authentic Assessments:
- ➢ Key for integrity and growth in digital learning.

Theoretical Framework:
- ➢ Guiding refined assessment strategies.

Student-Centric Design:
- ➢ Emphasising active student participation.

AI Adaptation:
- ➢ Embracing AI tools in education.

UCC Strategy Alignment:
- ➢ Following UCC's 2023-2028 Goal 2.

UCC Graduate Attributes:
- ➢ Fostering creators and critical thinkers.

Integrity Standards:
- ➢ Aligning with Ireland's 2021 Academic Integrity guidelines (NAIN).