AI Working Committee Team

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Artificial Intelligence in Academia

This report addresses the expanding role of artificial intelligence (AI) in higher education, exploring its capabilities, limitations, and ethical implications. It aims to provide the Academic Senate with a comprehensive understanding of AI's potential impact on teaching, learning, and academic integrity, and to propose recommendations for best uses and practices.

Questions and Issues Explored

- Detection and reliability - Its impact on workload to check originality and authenticity

- Best practices or policies. How do those practices and policies impact academic freedom?

- AI capacities, as teaching tools for instructor use and student use.

- Workshop and training-access to tools.

- Defining "Original Work"-threshold and criteria.

- Academic dishonesty.

AI Detection and Reliability

Capabilities	Limitations	Awareness
AI can generate human-quality text, translate languages, solve complex problems, and even create original art and music.	AI lacks genuine understanding, creativity, and critical thinking abilities. It can also perpetuate biases present in its training data	Faculty and students need to be aware of AI's capabilities and limitations to use it responsibly and ethically.

AI Detection and Reliability Tools

Some of the apps that are available in Canvas are:

- Turnitin

- Copyleaks

- Proctorio

- Honor Lock

These are not available for De Anza faculty

AI Detection and Reliability Diversity and Equity Concerns

Positive Effects on Diversity and Equity	Negative Effects on Diversity and Equity
• Equal Standards • Reducing Unintentional Misuse • Access to Automated Tools • Transparency	• Disproportionate Impact on Marginalized Students • Access to AI Literacy • Differential Impact on Learning • Equitable Access to Support

Recommendations for Equitable AI Detection Implementation

- Provide Clear and Inclusive Guidelines

- Training and Awareness for Instructors

- Support for AI Literacy

- Holistic Assessment

- Regular Algorithm Auditing

Impact on Workload and Academic Integrity

Increased Scrutiny	Evolving Definitions	New Challenges
Faculty may face increased pressure to scrutinize student work for AI-generated content, potentially increasing workload.	The definition of plagiarism needs to be re-evaluated in light of AI, considering whether using AI-generated content constitutes academic dishonesty.	Institutions need to develop strategies and policies to address these evolving challenges effectively.

Academic Dishonesty

- Establish Clear Policies

- Utilize Technology for Detection

- Provide Resources for Academic Support

- Monitor and Adapt Policies

- Address Consequences and Support Systems

Academic Senate Canvas Shell

- Generative AI

- AI and Disability Support

- Syllabus Resource Tools

- How to use AI: An Introductory Guide for Instructors.

- Future work

- Questions

- Comments

- Suggestions