

# Athenian Echoes: Technology's Catalytic Impact on Academia 2030

Subtitle: Examining Historical Foundations and Future Transformations

University of Internal Affairs of the Mongolian Ministry of Justice and Home Affairs

“TENDENCIES OF FOREIGN LANGUAGE EDUCATION”

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Athenian Principles	Contemporary Relevance
Inclusive Decision-Making	Involving diverse stakeholders in decision-making processes ensures that the development and implementation of AI technologies in education reflect a wide range of perspectives and needs. This helps prevent biases and ensures that AI benefits everyone.
Ethical Oversight	Democratic principles promote transparency and accountability in AI development, preventing misuse and ensuring ethical standards are upheld.
Encouraging Critical Inquiry	Fostering an environment where questioning and critical thinking are encouraged. This is vital in evaluating AI systems, understanding their limitations, and ensuring they are used responsibly.
Civic Duty	Responsible Use of AI: Emphasizing civic duty encourages individuals and institutions to consider the broader societal impacts of AI. This leads to the development of AI applications that benefit society as a whole, rather than serving narrow interests.
Scholarly Excellence	Maintaining Academic Integrity: Upholding high standards of scholarly excellence ensures that AI is used to enhance learning and research, rather than compromising academic integrity through shortcuts or superficial solutions.



# THE SOCRATIC MODEL IN THE AGE OF AI

The Socratic model, developed by the Greek philosopher Socrates in the 5th century BCE, is a form of argumentative dialogue and learning based on asking and answering questions.(Frede 1992) The Socratic method is based on the idea that all people have the innate ability to learn and reason, and that the best way to learn is through dialogue. In a Socratic dialogue, the teacher (or facilitator) asks the student a series of probing questions designed to help the student arrive at their own understanding of a topic.(Delic at al 2016) The teacher does not provide the student with answers; instead, they guide the student to think critically and to examine their own beliefs and assumptions.

# SPECIFIC EXAMPLES OF HOW THE SOCRATIC METHOD CAN BE USED IN THE AGE OF AI:

**Specific examples of how the Socratic method can be used in the age of AI:**

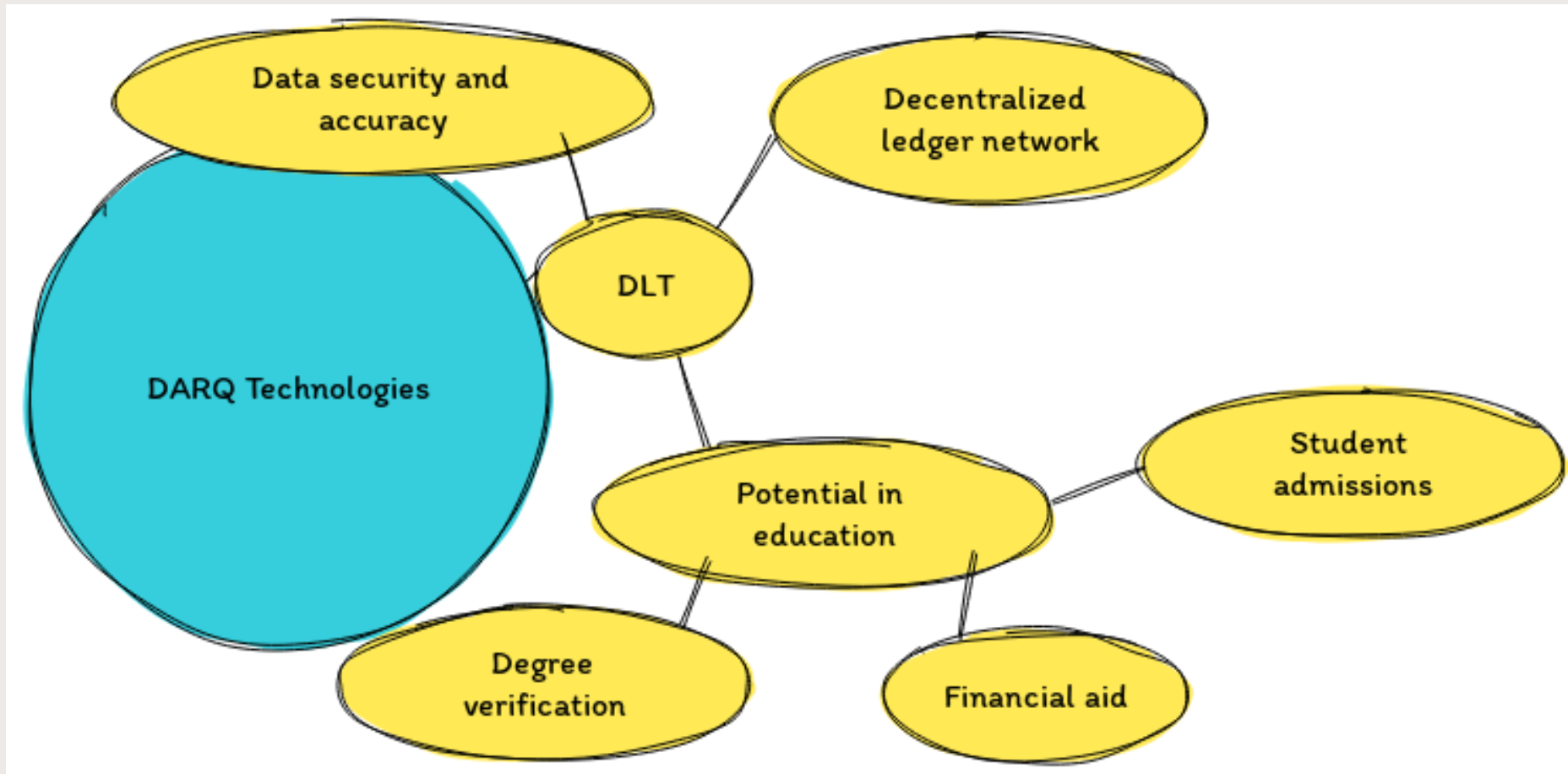
- A researcher could use the Socratic method to interview an AI system about its training data and algorithms in order to identify potential biases.
- A student could use the Socratic method to engage with an AI-powered tutoring system in order to learn a new concept more deeply.

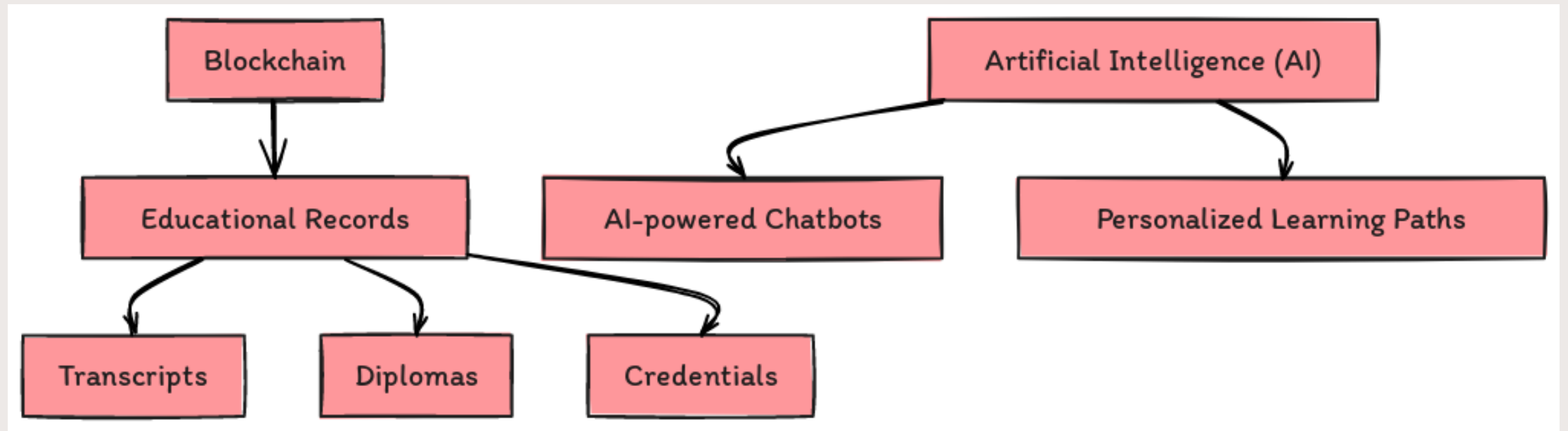
**Examples of how the Socratic model can be used to learn how to use AI systems more effectively:**

- Asking questions about the task: What are the goals of the task? What are the constraints on the task? What data and resources are available?
- Asking questions about the AI system: What are the capabilities and limitations of the AI system? How can the AI system be used to achieve the goals of the task?



# FORCES OF CHANGE: DARQ TECHNOLOGIES AND THE METAVERSE IN EDUCATION



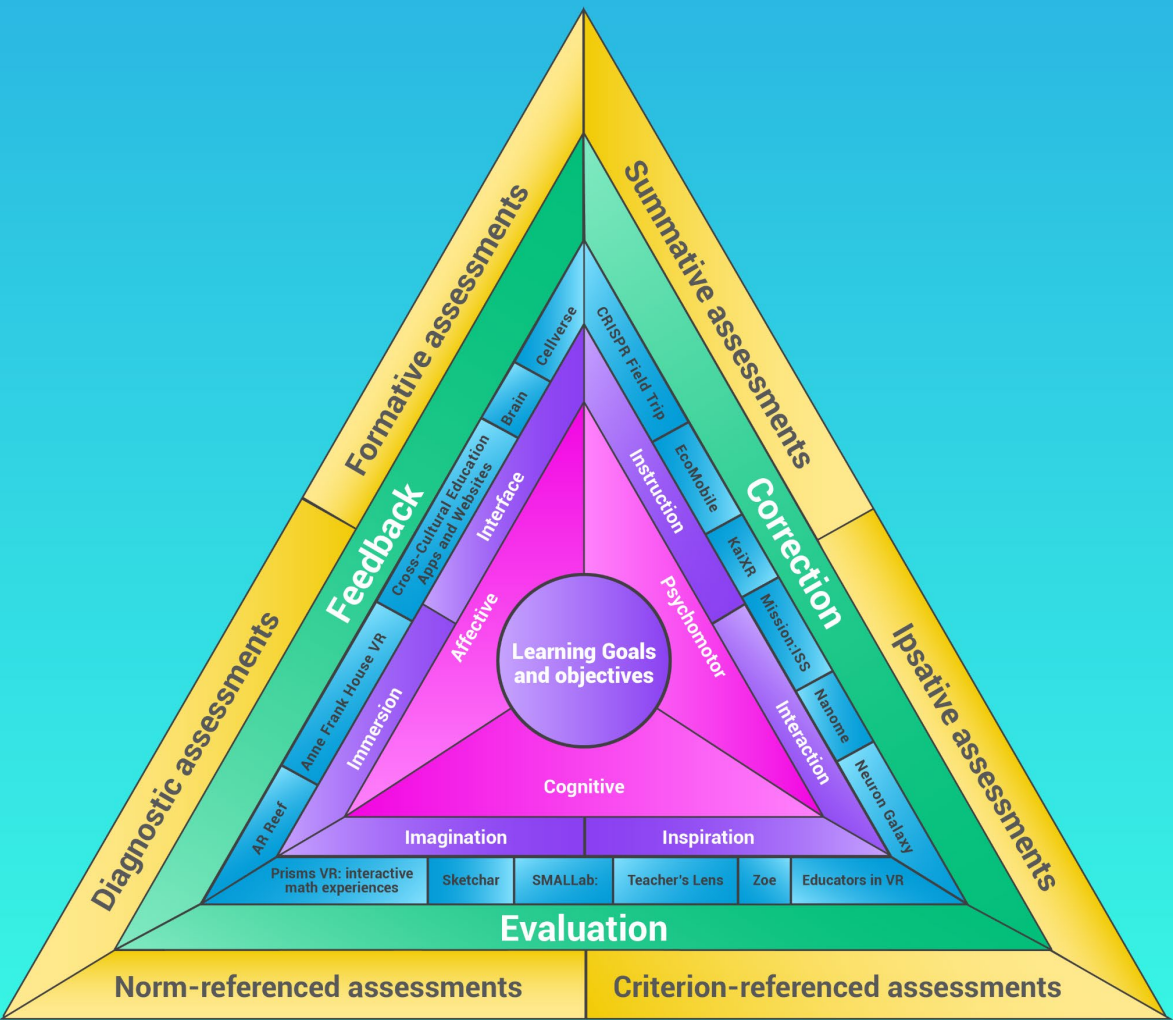


## BLOCKCHAIN AND AI: TRANSFORMING EDUCATIONAL RECORDS AND PERSONALIZED LEARNING

# THE ROLE OF XR, QUANTUM COMPUTING, AND THE METAVERSE IN EDUCATION

# AR, VR and XR: Multidimensional Resources for Educators

Created by Dr. Jasmin (Bey) Cowin



Reference:  
[1] Bloom, B. S., Englehart, M. D., Furst, E. J., Hill, W. H., & Krathwohl, D. R. (1956). Taxonomy of educational objectives, handbook I: Cognitive domain. New York: McKay.



## GETTING STUDENTS AND FACULTY INVOLVED - IDEAS

### Philosophical Cafés

Description: Drawing inspiration from Socratic dialogues, students will organize a series of 'Philosophical Café Podcasts.' In these informal podcast gatherings, each group will present on a chosen topic, fostering open discussions with their peers. The aim is to promote open discourse, much like the free-flowing debates of ancient Athens.

Outcome: By organizing and participating in these cafés, students will experience firsthand the power and significance of freedom of speech and open discourse. They'll sharpen their argumentative skills, learn to appreciate differing viewpoints, and understand the role of constructive dialogue in shaping societal values and beliefs.





In conclusion, the integration of AI in higher education is a complex and multifaceted endeavor that requires careful consideration of its potential benefits and risks. It is important to ensure that technology is used to enhance rather than replace traditional pedagogical approaches. By grounding our efforts in the classical Athenian ideals of education, we can create a future of higher education that is both technologically innovative and human centered.

# FURTHER READING

1. A World Without Work: Technology, Automation, and How We Should Respond (Susskind, 2020)
2. Classification of Barriers to Digital Transformation in Higher Education Institutions: Systematic Literature Review (Gkrimpizi et al., 2023)
3. Constitutional AI: Harmlessness from AI Feedback (Bai et al., 2022)
4. Deep Dive into Digital Transformation in Higher Education Institutions (Alenezi, 2021)
5. Four Futures: Life After Capitalism (Frase, 2016)
6. Superintelligence: Paths, Dangers, Strategies (Reprint edition) (Bostrom, 2014)
7. The coming technological singularity: How to survive in the post-human era (Vinge, 1993)
8. The Impact of Educational Technologies in Higher Education (Cabaleiro-Cerviño & Vera, 2020)
9. Toward an Ethics of AI Assistants: an Initial Framework (Danaher, 2018)

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