Don't Panic!

The ILIAS Hitchhiker's Guide to Artificial Intelligence

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The deployment of AI systems in education is important to promote high-quality digital education and training and to allow all learners and teachers to acquire and share the necessary digital skills and competences, including media literacy, and critical thinking, to take an active part in the economy, society, and in democratic processes.

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The deployment of AI systems in education is important to promote high-quality digital education and training and to allow all learners and teachers to acquire and share the necessary digital skills and competences, including media literacy, and critical thinking, to take an active part in the economy, society, and in democratic processes.

However...

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The deployment of AI systems in education is important to promote high-quality digital education and training and to allow all learners and teachers to acquire and share the necessary digital skills and competences, including media literacy, and critical thinking, to take an active part in the economy, society, and in democratic processes.

However, AI systems used in education or vocational training, in particular for

[...]

should be classified as high-risk AI systems

REGULATION (EU) 2024/1689 - ANNEX III

High-risk AI systems referred to in Article 6(2)

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3. Education and vocational training:

REGULATION (EU) 2024/1689 - ANNEX III

High-risk AI systems referred to in Article 6(2)

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3. Education and vocational training:

a) AI systems intended to be used to **determine access** or admission or to assign natural persons to educational and vocational training institutions at all levels;

REGULATION (EU) 2024/1689 - ANNEX III

High-risk AI systems referred to in Article 6(2)

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3. Education and vocational training:

a) AI systems intended to be used to **determine access** or admission or to assign natural persons to educational and vocational training institutions at all levels;

b) AI systems intended to be used to **evaluate learning outcomes**, including when those outcomes are used to steer the learning process of natural persons in educational and vocational training institutions at all levels;

REGULATION (EU) 2024/1689 - ANNEX III

High-risk AI systems referred to in Article 6(2)

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a) AI systems intended to be used to **determine access** or admission or to assign natural persons to educational and vocational training institutions at all levels;
b) AI systems intended to be used to **evaluate learning outcomes**, including when those outcomes are used to steer the learning process of natural persons in educational and vocational training institutions at all levels;
c) AI systems intended to be used for the purpose of **assessing the appropriate level of education** that an individual will receive or will be able to access, in the context of or within educational and vocational training institutions at all levels;

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c) AI systems intended to be used for the purpose of **assessing the appropriate level of education** that an individual will receive or will be able to access, in the context of or within educational and vocational training institutions at all levels;
d) AI systems intended to be used for **monitoring and detecting prohibited behaviour of students during tests** in the context of or within educational and vocational training institutions at all levels.

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Since they may determine the educational and professional course of a person's life and therefore may affect that person's ability to secure a livelihood. When improperly designed and used, such systems may be particularly intrusive and may violate the right to education and training as well as the right not to be discriminated against and perpetuate historical patterns of discrimination, for example against women, certain age groups, persons with disabilities, or persons of certain racial or ethnic origins or sexual orientation.

High-risk means prohibited?

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NO

High-risk means prohibited?

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High-risk AI Systems Requirements

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- Risk management system (iterative process)
- Data governance for training AI Systems
- Technical documentation - prior to release
- Record-keeping (logging)
- Transparency - Provide information public
- Human Oversight
- Accuracy, Robustness, Cibersecurity
- Notifying authorities
- Registration - prior to release

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Timeline

13.03.2024 - Officially announced

13.06.2024 - Officially Published (Transitional period)

08.2025 - National Regulations Deadline (Transitional period)

08.2026 - Mandatory in all European Union countries

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Previous provision 56

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The deployment of AI systems in education is important to promote high-quality digital education and training and to allow all learners and teachers to acquire and share the necessary digital skills and competences, including media literacy, and critical thinking, to take an active part in the economy, society, and in democratic processes. **However...**

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Previous provision 56

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The deployment of AI systems in education is important to promote high-quality digital education and training and to allow all learners and teachers to acquire and share the necessary digital skills and competences, including media literacy, and critical thinking, to take an active part in the economy, society, and in democratic processes. **How?**

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Currently available tools

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AIChat for ILIAS and Moodle

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- Allows users to chat with an LLM
- Publicly available: GPT
- Internal testing: LLaMa, Claude
- Next feature: Image generation
- Improvements option: Different models for different purposes

Future tools

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Feedback / Options generation

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- Simplify question creation process
- Improves quality of questions with one click.

High-risk systems

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- Adaptives learning
- Ensure integrity on Student' tasks

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