

Preparation module

Committee on Culture and Education/CULT Sub Committee AIDA

The question of implementing Artificial Intelligence in Education.

With the massive strides AI technology is taking, the question of its implementation in the field of education arises. How can the EU guarantee the safe, yet effective use of this bleeding-edge technology to enhance educational methods? What measures must be taken to prevent the misuse of AI in education?

Dear delegates,

First and foremost, we are happy to announce that you were selected to take part in this year's national MEP session as members of the Committee on Culture and Education (CULT).

From ABC to GPT: 'The EU's approach to artificial intelligence centres on excellence and trust, aimed at boosting research and industrial capacity while ensuring safety and fundamental rights.' (EU Parliament "What think tanks are thinking") This is how the European Parliament describes the ideal integration of AI into society. However, what this wishful projection does not include are the potential risks that the implementation of AI involves, specifically in the domain of education. Privacy concerns, Bias and discrimination, cognitive bias, academic integrity, as well as the current lack of regulation (only to name a few) are all left out. The imminent reality of fully integrated AI technologies in the sector of education is undeniable. Thus, you will be tasked with answering the major concerns, counteracting the central dangers, and creating a framework, to ensure the productive use of AI technologies in education during this upcoming nMEP session.

The links provided below should help you find useful information and give you a good overview of your issue. We encourage you to read and think about problems and solutions, look at the current situation within the EU and find out which ideas have already been proposed and research how successful they have been. However, we highly recommend conducting your own research as well.

Lastly, we request you **send the CP your position paper by January 10th, 2024**; see email address below.

Position papers are a great way to fully understand and engage with the topic of our committee.

Links to guide your research:

- **General assessments, overviews, and introductions**

! Extensive analysis of the implications of AI in education ! (Please do read the following pages at least : **43-45, 51-59, 62-63, 71-72, and the Conclusion.** It is crucial that you all read these as otherwise you might lack the fundamental knowledge to be able to have fruitful debates) (<https://rm.coe.int/artificial-intelligence-and-education-a-critical-view-through-the-lens/1680a886bd>)
(11/2022)

Assessment of the present and future roles of AI (for those of you who may speak French : <https://confrontations.org/la-transition-numerique-lue-dans-la-quatrieme-revolution-industrielle/>)
(06/2022)

General **introduction** to the topic, not issue-specific !
(https://aiindex.stanford.edu/wp-content/uploads/2022/03/2022-AI-Index-Report_Master.pdf)
(2022)

Research paper on the pros and cons to AI in education (Please do read the following sections : **Drawbacks, benefits, and suggestions**)
(https://www.researchgate.net/publication/352044231_Artificial_Intelligence_in_Education_and_Schools/fulltext/60b6dd20299bf106f6f18701/Artificial-Intelligence-in-Education-and-Schools.pdf?origin=publication_detail)
(2020)

A specific look at ChatGPT in higher education, we recommend you especially consider the chapter ‘**Challenges and ethical implications**’, as well as ‘ **Adapting to ChatGPT in higher education institutes**’ (https://www.iesalc.unesco.org/wp-content/uploads/2023/04/ChatGPT-and-Artificial-Intelligence-in-higher-education-Quick-Start-guide_EN_FINAL.pdf)
(2023)

- **Privacy issue**

An article about potential privacy risks associated with the use of AI and ways Ed Tech companies can manage them
<https://www.loeb.com/en/insights/publications/2022/03/ai-in-ed-tech-privacy-considerations-for-ai-powered-ed-tech-tools>
(03/2022)

An article that explains how AI can present risk to data privacy in the field of education
<https://blog.edmentum.com/artificial-intelligence-education-and-student-data-privacy-what-educators-need-know>
(04/2022)

- **Regulatory framework**

The Commission publishes guidelines to help teachers address misconceptions about Artificial Intelligence and promote its ethical use.

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_6338
(10/2022)

The Beijing Declaration on Artificial Intelligence and Education emphasizes the importance of developing AI technologies and applications to improve education quality and promote education equity.

<https://unesdoc.unesco.org/ark:/48223/pf0000368303>
(2019)

The UNESCO website provides an overview of how artificial intelligence (AI) has the potential to address some of the biggest challenges in education today, innovate teaching and learning practices, and accelerate progress.

<https://www.unesco.org/en/digital-education/artificial-intelligence>

The guidance highlights the need for policies that support the development of AI tools, that protect the privacy and data rights of students, and that ensure transparency and accountability in the use of AI in education.

<https://unesdoc.unesco.org/ark:/48223/pf0000376709>
(2021)

- **Bias and discrimination (=> link to the nature of the AI itself)**

An article that explains how the use of AI can lead to racial bias in education

<https://www.edweek.org/leadership/why-schools-need-to-talk-about-racial-bias-in-ai-powered-technologies/2022/04>

An article that discusses algorithmic bias associated with AI in education, ethical concerns, and discrimination.

<https://leonfurze.com/2023/03/06/teaching-ai-ethics-bias-and-discrimination/> -

- **Replacement of teachers (=> Non-human teaching & unemployment)**

Teacher shortages UNESCO report

[The challenge of teacher shortage and quality: Have we succeeded in getting enough quality teachers into classrooms? | Global Education Monitoring Report](#)
(2015)

Scholarly article that discusses the possibility of replacing teachers with AI technologies.

[“Replacing teachers? Doubt it.” Practitioners' views on adaptive learning technologies' impact on the teaching profession](#)

(10/2022)

Scholarly article that discusses how AI technologies can address the issue of teacher shortages.

https://www.researchgate.net/publication/345701733_Why_not_Robot_Teachers_Artificial_Intelligence_for_Addressing_Teacher_Shortage

(12/2017)

Adult’s perceptions of the implementation of robotics, artificial intelligence (AI), and automation (RAIA)

<https://link.springer.com/article/10.1007/s41347-020-00153-8>

(08/2020)

- **Training the youth to handling AI technologies**

An article about the importance of digital skills, technology in the classroom and training for both teachers and students.

<https://www.iste.org/explore/Innovator-solutions/Empowering-teachers-to-implement-technology-driven-educational-programs>

(10/2015)

- **Regulation/framework ideas**

Overview on **how to regulate** AI (although not the most recent source, we recommend you at least skim over it) (<https://unesdoc.unesco.org/ark:/48223/pf0000376709>)

(2021)

Collection of ideas on the **ways to counteract** the risks of AI

(<https://www.brookings.edu/blog/techtank/2023/02/21/early-thoughts-on-regulating-generative-ai-like-chatgpt/>)

(02/2023)

On the importance of **regulation in AI** + certain regulation ideas (for those of you who may speak French) (<https://confrontations.org/comment-reguler-lintelligence-artificielle-dans-lue/>) (03/2023)

Risks in AI & so-far counterproductive measures of the EU

Risks and dangers involved in the wide-spread use of AI

(<https://www.chathamhouse.org/2022/07/intelligence-dead-long-live-artificial-intelligence>)

(07/2022)

The EU's so-far '**counterproductive**' efforts to improve the digital ecosphere (

<https://www.brookings.edu/blog/techtank/2022/08/24/the-eus-attempt-to-regulate-open-source-ai-is-counterproductive/>)

(09/2022)

- **AI Act (not yet passed) (check out recent developments!!)**

AI Act by the European Commission, this act has been in discussion for a while and proposes solutions to the imminent issues we face. It is crucial you read through it.

(<https://www.europarl.europa.eu/legislative-train/theme-a-europe-fit-for-the-digital-age/file-regulation-on-artificial-intelligence>)

(04/2023)

Please make sure you don't let these potential solutions dictate your opinions on the matter. They are merely ideas to get you thinking. Consider whether these measures would be effective, their advantages and disadvantages. Moreover, we would like to remind you that the situation concerning AI technologies is rapidly evolving, so we ask you to please remain as up-to-date as possible on the issue topic!

Best regards, Your CP TEAM

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