

# augMENTOR

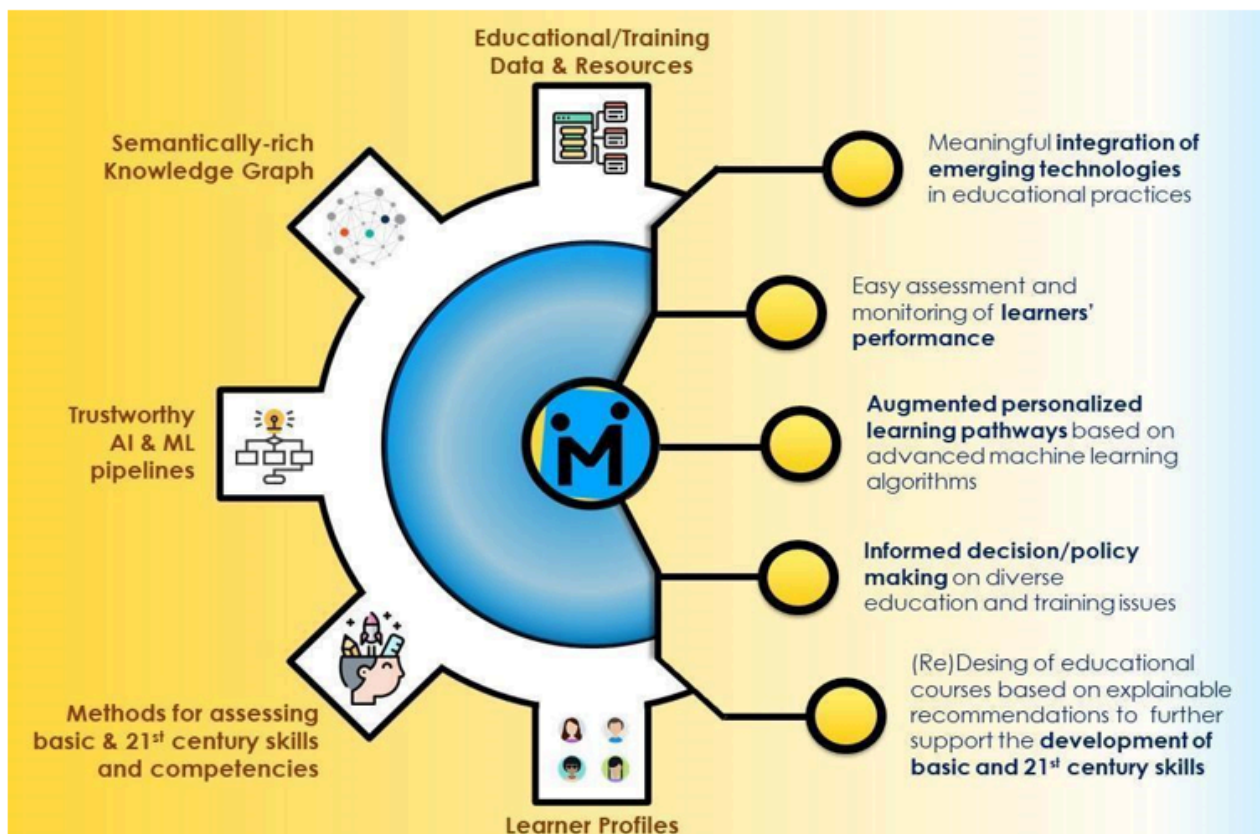
## Augmented Intelligence for Pedagogically Sustained Training and Education

Policy Brief 1 - May 2024

**augMENTOR** seeks to enhance educational practices, empower educators to design more effective courses, and enable learners to maximize their potential. To achieve that, it aims to integrate **emerging technologies** into a pedagogical framework focused on developing both basic and **21st-century skills**. By combining innovative pedagogical strategies with advanced AI solutions, **augMENTOR** seeks to enhance educational practices, empower educators, and enable learners to maximize their potential.

This policy brief presents a set of recommendations for different educational policy makers and stakeholders based on the work done so far in the **augMENTOR's** project. The present brief intends to bring useful information from different sources that complement existing European Union (EU) guidelines and facilitate policy-makers in their quest of shaping the future education policies and frameworks. It also brings to the forefront the challenges and ethical considerations of using Artificial Intelligence (AI) in education, advocating for the deployment of AI systems that are not only efficient but also trustworthy, transparent, and fair.

### THE AUGMENTOR OVERALL APPROACH



## EU POLICIES

### DIGITAL EDUCATION ACTION PLAN - ACTION 6

Ethical guidelines on the use of AI and data in teaching and learning for educators

*"There is a growing need for researchers, educators and students to have a basic understanding of AI and data use to be able to engage positively, critically and ethically with this technology and to exploit its full potential."*

### DIGITAL EDUCATION ACTION PLAN - ACTION 8

Updating the European Digital Competence Framework to include AI and data-related skills

*"Citizens need to acquire a basic understanding of new and emerging technologies, including AI, to be able to engage confidently, critically and safely with them"*

### ARTIFICIAL INTELLIGENCE FOR EUROPE

*"AI is changing the nature of work: jobs will be created, others will disappear, most will be transformed. Modernisation of education, at all levels, should be a priority for governments. All Europeans should have every opportunity to acquire the skills they need. Talent should be nurtured, gender balance and diversity encouraged."*

## EU INITIATIVES

High-Level Expert Group on AI

European AI Alliance

AI WATCH

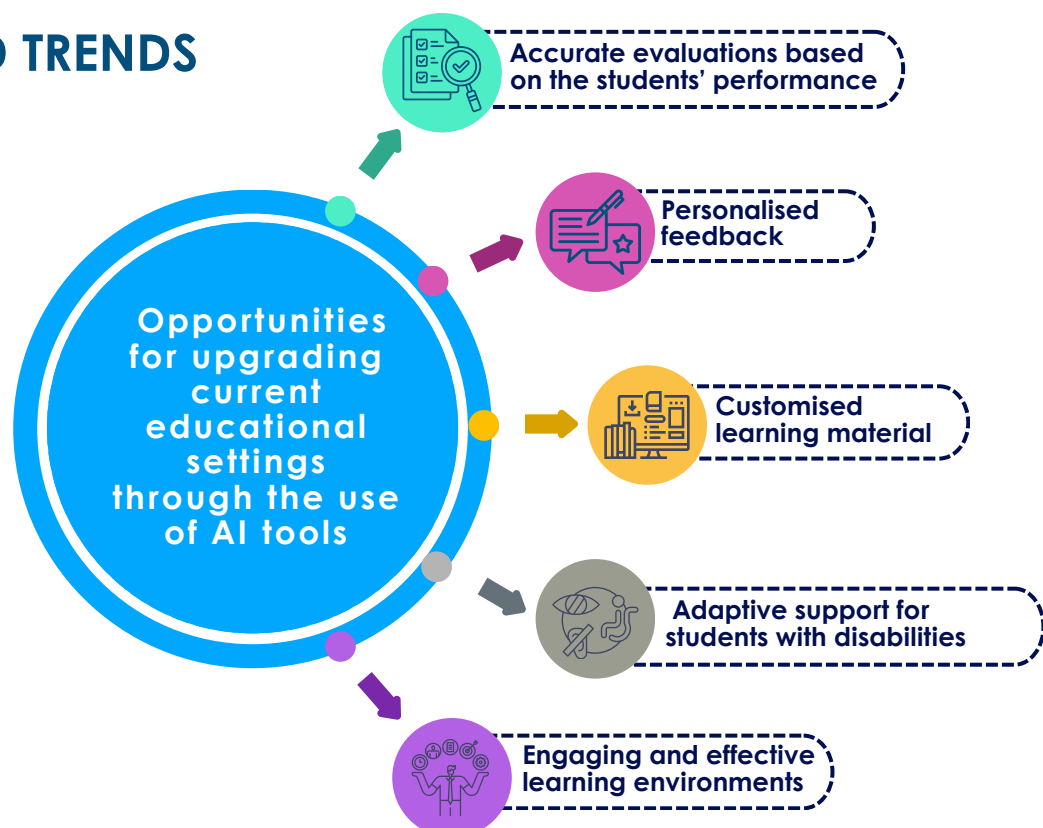
EU Artificial Intelligence Act

## EU PUBLICATIONS

- Ethics guidelines for trustworthy AI
- Policy and investment recommendations for trustworthy AI
- The final Assessment List for Trustworthy AI
- Sectoral considerations on the policy and investment recommendation.
- Ethical guidelines on the use of AI and data in teaching and learning for educators.

## OPPORTUNITIES AND TRENDS

**augMENTOR** aims to introduce AI in educational settings leveraging the benefits it offers while being aligned with current EU trends, the challenges faced by the educational community and actions already taken towards the ethical and responsible use of these technologies.



## INTERNATIONAL STAKEHOLDERS & EDUCATIONAL POLICY MAKERS

### Offer capacity building for educators & Institutions

Refurbish existing educational frameworks, or even publish new ones, to introduce the use of AI technologies in educational settings and demonstrate how to integrate AI in education effectively by offering new innovative educational practices and approaches to educators.

### Raise awareness on AI ethics standards

To ensure the responsible integration of AI technologies in education, it is important to raise awareness and promote AI ethics standards for education aligned with guidelines from different experts and initiatives at European and global level.

### Alignment strategies for educational bodies & technological companies

Develop alignment strategies that include common guidelines to support the effective collaboration and communication between educational bodies and technological companies.

## NATIONAL STAKEHOLDERS & EDUCATIONAL POLICY MAKERS

### Re-design and update of existing curricula to introduce the use of AI tools

AI-tools interweaved in curricula can support educators by offering useful insights about performance and skills development while they could also support self-regulated and personalised learning, thus boosting learners' performance.

### Design new Continuous Professional Development (CPD) courses

CPD courses based on EU frameworks and AI-enhanced curricula can support practitioners on how to use AI-tools effectively and ethically. CPDs are an essential key to bring effective changes through the proper preparation and training.

### Offer a practical guide for the ethical use of AI tools in education

A practical guide for the ethical use of AI tools in education designed based on EU guidelines while addressing the needs of educational communities could ensure educators are well-equipped to integrate AI technologies responsibly in their teaching.

## EDUCATIONAL ORGANISATIONS, EDUCATIONAL ASSOCIATIONS, EDUCATORS & TRAINERS

### Introduce a helpdesk for educators and trainers about the use of AI

Offering assistance on demand to educators, helping them address specific questions and/or concerns could be a powerful tool to address their needs. Educational organisations could offer a support system that will empower educators to effectively use AI in their teaching, enhancing educational outcomes.

### Exchange educational material & implementation ideas in integrating AI in education

To foster innovation and the practical application of AI in education, it is recommended that educational communities create open repositories to facilitate sharing and exchange of knowledge and resources related to AI-tools among educators.

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[www.augmentor-project.eu/](http://www.augmentor-project.eu/)



## LEARN MORE

Visit the extended version of this policy brief to find more information about:

- Dedicated strategies about implementing the presented briefs
- The introduction of AI in educational settings
- Current EU policies and trends.