



unesco

Mahatma Gandhi Institute of
Education for Peace and
Sustainable Development

Safe and Responsible use of AI Tools in Education

Daevesh Singh
Associate National Project Officer,
UNESCO MGIEP, New Delhi, India

AI IS INEVITABLE

AI IS OPPORTUNITY

AI IS THREAT

AI
is
THREAT



FAR.AI 
@farairesearch

Ad ...

Leading AI scientists from China and the West including Turing award winners Bengio, Yao and Hinton call for global emergency preparedness measures to avert catastrophic risks from AI at the latest International Dialogue on AI Safety.



AI Preparedness Statement

From idais.ai

What Can Go Wrong: The Risk Landscape

1 Academic integrity

Generative AI can produce essays, solve problems, and write code on demand. Further, rendering traditional plagiarism detection strategies are ineffective.

2 Student data privacy

AI platforms learn from data entered by users. Students using unapproved tools may inadvertently expose personal information

What Can Go Wrong: The Risk Landscape

3 Algorithmic bias

AI systems trained on non-representative datasets reproduce and amplify historical biases.

4 Erosion of critical thinking

When students delegate writing, analysis, and reasoning to AI, the cognitive work that builds those skills does not occur.

What Can Go Wrong: The Risk Landscape

- AI could pose risk to core humanistic values that promote human agency, inclusion, equity, gender equality, and linguistic and cultural diversities, as well as plural opinions and Expressions.
- Risks of AI in education include academic dishonesty, student data privacy breaches, algorithmic bias, child safety violations, erosion of critical thinking, unequal access, absence of institutional policy, teacher deskilling, and opaque decision-making.

Integration or Use of AI in Education

is inevitable

Risk/Threats related to AI are bound
to translate to education

REFLECTION QUESTION 1

Can you trust an AI system if they got their intelligence from biased data?



REFLECTION QUESTION 2

How would you feel if your child's access to quality education is determined solely by availability of some AI system?



KEY ETHICAL PRINCIPLES @ AIED



TRANSPARENCY



INCLUSION



RELIABILITY & SAFETY



ACCOUNTABILITY



AGENCY AND AUTONOMY



FAIRNESS



PRIVACY & SECURITY

These principles are not aspirational, they are the minimum conditions for responsible deployment.

KEY ETHICAL PRINCIPLES @ AIED



FAIRNESS

AI must produce equitable outcomes for all students regardless of race, gender, language, ability, or socioeconomic status.



TRANSPARENCY

Students, parents, and staff must know when AI is in use, what data it processes, and how its outputs influence decisions affecting learners.

KEY ETHICAL PRINCIPLES @ AIED



ACCOUNTABILITY

AI tools providers and educators retain full responsibility. It is their responsibility that AI tools should work with framework within institutional principles



PRIVACY AND SECURITY

Student data must be collected with informed consent, stored securely, and never used beyond its declared purpose. All AI tools must meet applicable data protection law before deployment.

KEY ETHICAL PRINCIPLES @ AIED



RELIABILITY & SAFETY

AI must consistently serve their intended purpose. Further these tools must ensure learner safety.



INCLUSIVENESS

AI tools must be accessible across ability, language, and economic context.

KEY ETHICAL PRINCIPLES @ AIED



AGENCY & AUTONOMY

AI should support human decision-making, not replace it. Educators and students retain full authority over their own learning and professional judgement.

TOWARDS ETHICAL AI in EDUCATION



PREPAREDNESS OF
INSTITUTIONS



KEY COMPETENCIES FOR
TEACHERS



KEY COMPETENCIES FOR
LEARNERS

PREPAREDNESS OF INSTITUTIONS FOR AI DEPLOYMENT

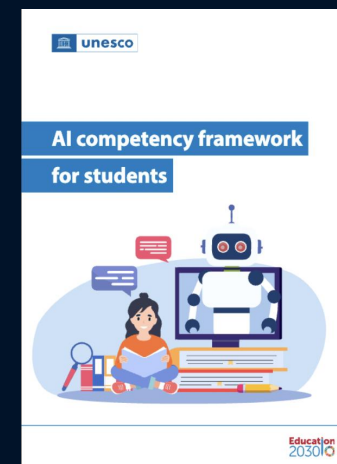
1 AI GOVERNANCE

Designate a senior officer accountable for AI policy development, implementation, and review.

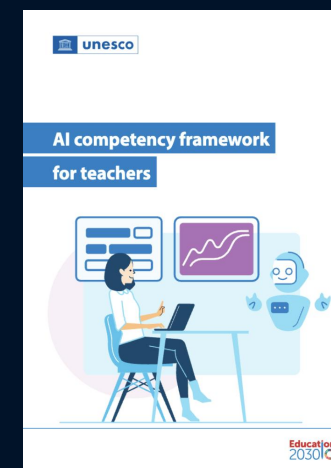
2 AI POLICY

Institutional guidelines must specify approved tools, permitted use cases, data handling obligations, and consequences for misuse

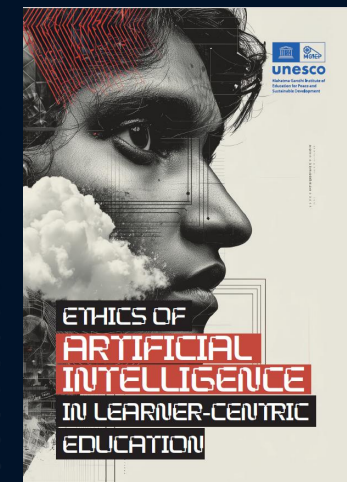
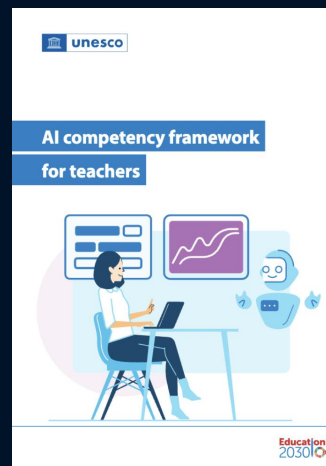
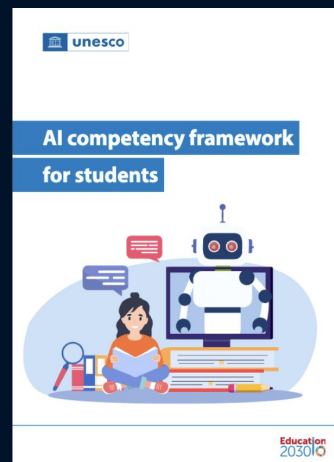
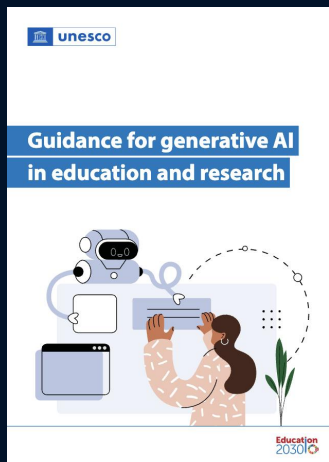
AI Competency Framework: Students



AI Competency Framework: Teachers



UNESCO's Resources on AI, Education and Ethics





unesco

Mahatma Gandhi Institute of
Education for Peace and
Sustainable Development

Thank you

Daevesh Singh