

Digital Skills and Literacy in Education: Addressing Generative AI

Ensuring equitable access to digital skills and literacy is a strategic priority of the National Coalition of Advanced Technology Centers (NCATC). In an increasingly digital world, the rise of generative AI technologies poses significant challenges to education and workforce development. Focusing on STEM education in the K-16 segment, NCATC is committed to addressing these challenges through strategic initiatives and policy advocacy.

NCATC Supports Addressing Generative AI

NCATC recognizes the importance of addressing ethical considerations in generative AI through strategic initiatives and policy advocacy. By collaborating with educational institutions, industry partners, and policymakers, NCATC aims to integrate comprehensive STEM education programs in K-16 schools to prepare students for the digital future.

- Ethical Considerations in Generative AI: As generative AI technologies advance, NCATC emphasizes the importance of ethical considerations and responsible AI development. Educating students about the ethical implications of AI and promoting diversity and inclusivity in AI research and development are essential for fostering a more equitable and ethical AI-powered future.
- As generative AI technologies advance, NCATC emphasizes the importance of ethical considerations and responsible AI development. Educating K-16 students about the ethical implications of AI and promoting diversity and inclusivity in AI research and development are essential for fostering a more equitable and ethical AI-powered future.

How Can NCATC Promote Ethical AI?

Educators can incorporate discussions of ethical AI principles and considerations into STEM and computer science courses. Encouraging students to critically evaluate the societal impacts of AI technologies and promoting ethical AI practices can foster a culture of responsible innovation.

- Partnership on AI: www.partnershiponai.org
- “Ethics Guidelines for Trustworthy AI” by the European Commission: www.ec.europa.eu
- “Ethical Principles for AI” by the Institute of Electrical and Electronics Engineers (IEEE): www.ieee.org/ai-standards

Together, through strategic initiatives and collective action, we can empower K-16 students with the digital skills and literacy needed to thrive in an increasingly interconnected world. By prioritizing STEM education and ethical AI development, NCATC is dedicated to creating a future where all students have the opportunity to succeed in the digital age.