

DAY 4: WEDNESDAY 8TH MAY

ARTIFICIAL INTELLIGENCE AND THE FUTURE OF EDUCATION

First Reading: Acts 17: 15, 22

Psalms 148: 1-2, 11-12, 13

Alleluia: John 14: 16

Gospel: John 16: 12-16

The Holy Spirit leads the disciples to the complete truth, empowering them to enlighten others through worship, teaching, and proclamation. Authentic education, as emphasized by the Catholic Church, fosters empathy, understanding, and

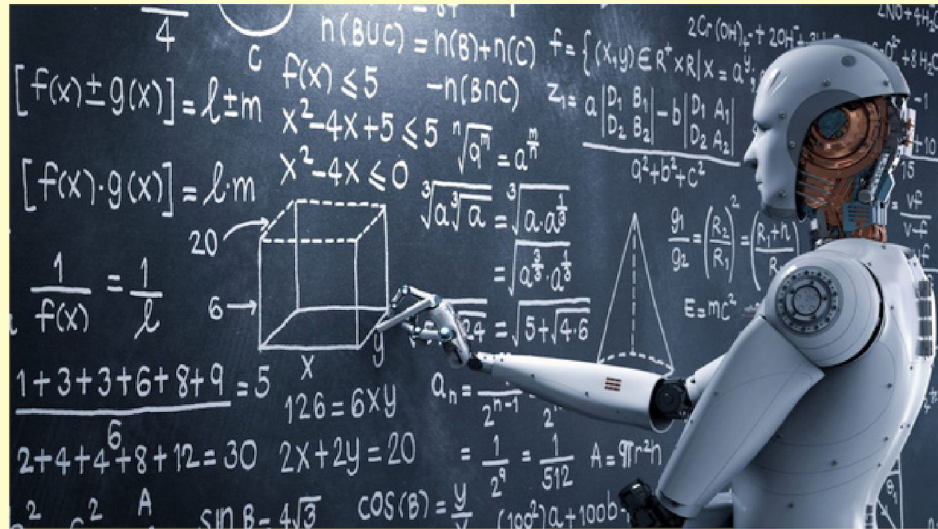


others. It promotes intellectual, moral, and spiritual growth, environmental awareness, and responsible stewardship. Education takes place within families and communities, with the family as the primary educator. Artificial intelligence (AI) is impacting the education sector by improving access, administrative processes, and learning outcomes.

AI offers several advantages to education, including automating administrative tasks, creating smart content, providing personalized educat-

ion, enabling easy access to learning resources, translating content into multiple languages, providing 24/7 assistance, replacing traditional student IDs with facial recognition, and implementing secure virtual exams. These advantages allow teachers to focus on their student's needs and goals, ensuring a more efficient and effective learning environment. AI also allows for the creation of personalized content, enabling students to achieve their academic goals faster and with more accurate results.

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Unfortunately, AI in education has several disadvantages, including technology addiction, quality issues, potential job displacement, and malfunctioning machines. Research shows that excessive use of technology can lead to higher stress levels in children, that can harm memory nerve cells. AI relies on algorithms, which can produce unreliable content. Robotic teachers may also displace humans, increasing the threat to the job market. AI is vulnerable to cyberattacks, as they are not immune to ransomware and other malware attacks. The high implementation costs of AI can increase utility and administrative costs, particularly in undeveloped countries.

Additionally, AI may widen the media divide and educational gap, especially for poor people and countries. Preparing teachers for an AI-powered environment is

a challenge, especially for non-tech-savvy teachers. Developing comprehensive public policy to regulate AI creation and use is also a serious issue. Examples of AI-based education apps include Duolingo, Brainly, MATHiaU, ALEKS, Data and Learning Analytics, Automated Grading, Thinkster Math and Oddizzi.

The Holy Father's 2024 message on Artificial intelligence and wisdom of the heart ... emphasises the importance of wisdom, which comes from emotions, empathy, and intuition. Wisdom works through seeking, finding, love, anticipation, advising, receiving, and giving flavour to life. AI has the potential to transform education, but its deployment must be guided by principles of equity, transparency, and ethics. Here, Media Literacy becomes a must for all and formation in Artificial Literacy is very key to this whole process.