THE INFLUENCE OF THE HUMAN FACTORS IN THE USE OF METHODS IN PEDAGOGY

Uzoqova Marjona Sherali kizi

E-mail: uzoqovamarjona14@gmail.com

UzSWLU, student of 3rd English faculty

Abstract: In this article the author studies the impact human factors have on the application of the different teaching methods used in pedagogy considering the contemporary technological era. In as much as AI (Artificial Intelligence) offers customized, efficient, and analytic instructions, it lacks emotional intelligence as well as the ability to establish real interpersonal rapport with learners. The study shows the critical place of human educators in appreciating the emotional, psychological, and sociocultural needs of students, which AI is not capable of addressing. The body of the paper reaffirms the argument that the human component in education systems is key and paramount particularly in the help of learners in navigating challenges. So, effective education in the future will be especially in the balanced use of technology and human perspective.

Annotatsiya: Ushbu maqolada muallif zamonaviy texnologik davrni hisobga olgan holda pedagogikada qo'llaniladigan turli xil o'qitish usullarini qo'llashga inson omillarining ta'sirini o'rganadi. AI (sun'iy intellekt) moslashtirilgan, samarali va tahliliy ko'rsatmalarni taqdim qilsada, unda hissiy intellekt, shuningdek, o'quvchilar bilan haqiqiy shaxslararo munosabatlarni o'rnatish qobiliyati yo'q. Tadqiqot AI hal qila olmaydigan o'quvchilarning hissiy, psixologik va ijtimoiy-madaniy ehtiyojlarini baholashda, inson o'qituvchilarining muhim o'rnini ko'rsatadi. Maqolaning asosiy qismi ta'lim tizimidagi inson roli, ayniqsa, qiyinchiliklarni hal qilishda, o'quvchilarga yordam berishda asosiy va muhim ekanligi haqidagi maq'lumotlarni yana bir bor tasdiqlaydi. Shunday qilib, kelajakda samarali ta'lim, ayniqsa, texnologiya va inson ta'siridan muvozanatli foydalanish demakdir.

Key words: pedagogy, artificial intelligence, human factors, motivation, emotional support, teaching methods, adaptability, empathy, cultural sensitivity, personalized learning.

Introduction

In an era of rapid development of modern technologies, computer technologies have also begun to have a direct and tangible impact on human life. For example, if we take the field of teaching, the role of artificial intelligence is also incomparable. Although the traditional form of education still plays an important role in human life, teaching through artificial intelligence is becoming popular among people with its convenient teaching methods and effectiveness. However, both methods of learning are still necessary and necessary for people to learn. Because artificial intelligence only presents the theoretical aspects as they are in convenient ways for the student. But since a person always lives with emotions, he needs support, motivation and encouragement. Only a person can give such emotional and spiritual encouragement to teachers in special situations. That is why the knowledge gained by people always comes without losing its position. In this article, only the areas of pedagogy and teaching will be indicated in the teaching areas.

Picture.1 [5]

Main paragraph

Human factors in teaching and learning include how to influence learners during the psychological, socio-emotional, and cultural changes that affect learning, and how and in what order to bring them from a bad state to a good state. Teachers who understand the motivational state, personality, and emotional state of students and learners can effectively adapt their teaching methods and enter the category of effective educators. This is a well-understood truth, and AI, i.e. artificial intelligence and electronic teachers, do not yet have such capabilities. Empathy, encouragement, and interpersonal relationships are key to human-centered learning. For example, when a student is feeling down, a teacher's words like "You can do this," "You can do it," "Don't give up," or "I believe in your abilities" can profoundly change the student's mindset. Such emotional words based on human relationships cannot be reproduced naturally and authentically by machines and technology.

Below is a table showing the differences between AI (Artificial Intelligence) and human-assisted teaching and the benefits they bring.

Aspect	AI (Artificial Intelligence) Teaching	Human-Assisted Teaching	Benefits of AI	Benefits of Human Teaching
Personalization	Customizes content based on user data and performance	Personalizes content based on observation and intuition	Quick, data-driven adaptation	Emotionally responsive and context-sensitive
Availability	24/7 availability	Limited to working hours	Learners can access support any time	Provides face-to-face support and real-time interaction
Feedback	Instant feedback through automated	Feedback depends on teacher	Immediate correction helps faster	More detailed, empathetic, and

Aspect	AI (Artificial Intelligence) Teaching	Human-Assisted Teaching	Benefits of AI	Benefits of Human Teaching
	systems	availability	learning	explanatory feedback
Emotional Connection	Lacks real empathy or emotional understanding	Builds strong emotional rapport with students	Consistent and neutral	Motivates students emotionally and psychologically
Creativity & Flexibility	Limited creativity, follows programmed patterns	Highly creative and adaptable to various classroom situations	Efficient in structured environments	Encourages critical thinking and creativity
Cost	Usually more cost-effective in the long run	May be costly due to teacher salary and resources	Accessible and scalable	Adds value through human insight and mentorship
Adaptability	Adapts based on data, not always understanding deeper learning struggles	Adapts based on experience and student behavior	Good for standardized content	Better at handling diverse student needs
Cultural Sensitivity	May lack deep cultural awareness	Naturally sensitive to culture and student background	Consistent across cultures	Can integrate local and cultural context into teaching

From the above table, we can see that AI training excels in speed and data management in a fast manner. Human training mainly promotes adaptability.

Conclusion

Human teachers are not just educators, they are also mentors, motivators, and inspirers. They can also guide students to success through words. For example, through words like: "If you make mistakes, it means you are trying, and efforts will definitely show their results." This emotional support increases their resilience and self-confidence. Artificial intelligence can do this too, but only in small percentages.

Reference

1. G'afurov, N. (2010). *Pedagogik texnologiyalar va pedagogik mahorat*. Toshkent: O'zbekiston Respublikasi Oliy va o'rta maxsus ta'lim vazirligi.

2. Raxmonov, B. (2018). *Axborot texnologiyalari va sun'iy intellekt asoslari*. Toshkent: Fan va texnologiya.

3. Holmes, W., Bialik, M., & Fadel, C. (2019). *Artificial intelligence in education: Promises and implications for teaching and learning*. Center for Curriculum Redesign.

4. Selwyn, N. (2019). *Should robots replace teachers? AI and the future of education*. Polity Press.

5. https://www.21kschool.com/dz/blog/traditional-schooling/