ARTIFICIAL INTELLIGENCE AND EDUCATION: NEW APPROACHES TO DEVELOPING STUDENTS' INDEPENDENT THINKING

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Abstract . This in the article artificial intellect technologies education in the process place, opportunities and probable restrictions analysis The research is being conducted main purpose artificial from the intellect use through of the students independent thinking , information literacy and knowledge to take efficiency support their ways from determining consists of . In the study international organizations recommendations and relevant normative documents theoretical-analytical and comparative methods through studied . Analysis artificial intellect complicated concepts interpretation , individual education support and training process in improvement useful tool to be possible shows . With this together , wrong data , ready to the answers excess rely on , personal information safety and academic honesty with related see the problems too is released . In the article artificial from the intellect responsible to use aimed at practical recommendations offer is being done .

Key words : artificial intellect , education process , independent thinking , information literacy , digital education , generative artificial intellect , critical thinking , academic honesty , individual education , information safety .

the 21st century digital technologies is entering almost all areas of human life. In particular, the development of artificial intelligence is bringing new approaches to the educational process. Today, artificial intelligence tools have the ability to search for information, explain complex topics, analyze texts, and support the individual learning process. These capabilities are quality increase for new conditions creates . However, along with technological progress, an important question arises: does artificial intelligence develop independent thinking of the student or does it increase the risk of his dependence on ready-made answers? This question is relevant for the modern education system. Because the task of education is not only to convey information, but also to develop independent judgments, analyze problems and make decisions for themselves . responsible person from forming consists of .

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Figure 1.

This of the research purpose to analyze the possibilities and limitations of artificial intelligence in education and to maintain students' independent thinking help giving use principles working is the exit .

Article theoretical-analytical research prepared as . The research used methods of document analysis, comparative analysis and generalization of scientific sources. UNESCO recommendations on the use of generative artificial intelligence in education and research , the work of the OECD and the European Commission on artificial intelligence literacy, and Uzbekistan's use of artificial intelligence technologies to develop circle normative document seeing It was released .

Analysis three main The article focuses on the educational potential of artificial intelligence, the potential risks of its use, and the principles of responsible use. Since no empirical survey or experiment was conducted, the article does not present statistical results; the conclusions are based on empirical research . sources and their comparative to the analysis is based on .

Artificial of intellect in education opportunities . Artificial intellect education process can help adapt to the needs of students. For example, if a student is struggling to understand a complex mathematical concept, they can ask the AI to explain the topic step by step or provide more examples. In language learning , it can analyze the text, detect grammatical errors, and learn new words. application understanding for from it use possible. Such opportunities to the student the topic allows you to learn at your own pace and go back to the parts you don't understand. At the same time, technology does not completely replace the teacher . The teacher must understand the needs of the student, monitor his development, guide the thinking process and ensure the learning process socio-ethical aspects in formation important place holds .

UNESCO's announcement in 2023 The recommendations emphasize the need to protect human interests, respect data privacy, and prioritize pedagogical goals when using generative artificial intelligence . Thus, the value of the technology lies not in its novelty, but in its education to their goals where at the level service It's in the making .

Independent thinking and information literacy . Artificial from the intellect in use One of the most important issues is to maintain the student 's ability to think independently. If a student gets used to

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completing any task by receiving ready-made answers, his ability to independently analyze information, compare evidence and draw conclusions may not be sufficiently developed. However, this risk depends more on how artificial intelligence is used than on the presence of it. For example , a student artificial from the intellect essay complete writing to give to ask instead of , own in the plan weak may ask the reader to show aspects or offer counterarguments. In this approach, the reader is left with the task of formulating the main idea, selecting the arguments, and arriving at the final conclusion . Thus, artificial intelligence is not a ready-made answer tool, but thinking to develop assistant assistant as is used .

OECD and Europe The Commission's 2026 Framework Document on Artificial Intelligence Literacy highlights the importance of students understanding AI, using it intelligently and critically evaluating its results. This approach requires modern education not only to use technology, but also to understand its potential and limitations . Artificial intellect every does not always provide accurate or verified information. While some answers may seem reliable, they may contain errors or references to non-existent sources . Therefore, students should learn to verify important information through official documents, scientific articles, and reliable sources. This skill digital in the period critical of thinking inseparable is part of .

Analysis based on in education to use artificial intelligence following practical principles offer to grow possible :

First of all , first of all independent The principle of thinking , then using technology should be followed. The student should form his/her own opinion before completing the task, and then use artificial intelligence to solve problems that he/ she does not understand. aspects clarification for use to the goal according to .

Secondly , every one It should become a habit to check important information. Don't accept the answer given by artificial intelligence as the final truth , but rather reliable sources with comparison necessary .

Third , academic honesty The student must not present the acquired ideas and prepared materials as his/her own independent work, comply with the requirements of the educational institution and, if necessary , artificial from the intellect used open to report need .

Fourth , personal information It is important to protect your information . Students should be able to access passwords, personal documents, addresses, and other confidential information . information safety not guaranteed to systems not to include need .

Fifth , teachers assignments It is important to assess students based not only on the final answer, but also on their thinking process, arguments, and conclusions. This prevents students from simply copying knowledge. not , maybe him/her to understand incentive gives .

This principles in the article constitute the proposed theoretical-practical approach. Their effectiveness will be further tested through a questionnaire , observation and or pedagogical experience using check possible .

Artificial intellect education has the potential to improve the learning process , individualize learning, and support the mastery of complex concepts. However, there are also concerns about misinformation , overreliance on ready-made answers, academic integrity, and data security. from it responsibility with use demand will reach .

The research theoretical analysis this shows that the benefits of artificial intelligence in education depend not only on technological capabilities, but also on the culture of its use and pedagogical goals.

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The student's ability to think independently, verify information, and feel responsible for their own decisions main criterion become to remain necessary .

For this reason education in institutions It is important to develop AI literacy, explain the rules of academic integrity, and guide students to think critically. Future research should examine the proposed principles through case studies to determine the educational implications of using AI. to the results the impact deeper to understand help gives .

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