

THE IMPORTANCE AI IN STUDENTS LIFE

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ABSTRACT: By offering cutting-edge learning resources, improving academic achievement, and equipping students for a technologically advanced future, artificial intelligence (AI) is revolutionizing students' lives. AI-powered apps promote creativity and critical thinking by enabling rapid feedback, individualized learning experiences, and efficient time management. Additionally, AI facilitates accessibility, enabling high-quality education for kids with a range of needs. This study examines the various ways artificial intelligence (AI) is affecting education and how it might completely transform the way that people learn.

Keywords: education technology, academic performance, accessibility, personalized learning, and artificial intelligence.

ANNOTATSIYA: Sun'iy intellekt (SI) o'quvchilarning hayotiga ta'sir ko'rsatib, o'qitishda innovatsion vositalarni taqdim etadi, akademik samaradorlikni oshiradi va texnologiyaga asoslangan kelajak uchun tayyorlaydi. SI-dan foydalanadigan ilovalar shaxsiy o'quv tajribalarini, tezkor fikr-mulohazalarni va samarali vaqt boshqaruvini ta'minlaydi, ijodkorlik va tanqidiy fikrlashni rivojlantiradi. Shuningdek, SI imkoniyati cheklangan o'quvchilarga sifatli ta'lim olishda yordam beradi. Ushbu tadqiqot SIning ta'lim sohasidagi ko'p qirrali ta'sirini va uning o'quv jarayonini tubdan o'zgartirish imkoniyatlarini o'rganadi.

Kalit so'zlar: Sun'iy intellekt, Shaxsiylashtirilgan ta'lim, Akademik samaradorlik, Imkoniyatlar tengligi, Ta'lim texnologiyalari.

АННОТАЦИЯ: Искусственный интеллект (ИИ) меняет жизнь студентов, давая им новые инструменты для обучения, улучшая их успеваемость в школе и готовя их к технологически ориентированному будущему. Приложения на основе искусственного интеллекта способствуют развитию критического мышления и творчества, обеспечивая персонализированный образовательный опыт, быструю обратную связь и эффективное управление временем. Кроме того, ИИ позволяет студентам с особыми потребностями получать высококачественное образование. В этом исследовании рассматривается многогранное влияние ИИ на образование и то, насколько он может изменить учебный процесс.

Ключевые слова: ИИ, персонализированное обучение, академическая успеваемость, доступность, образование.

INTRODUCTION. Artificial Intelligence (AI) has revolutionized almost every facet of contemporary life, including education. The use of AI in the classroom presents previously unheard-of chances to improve student engagement, academic achievement, and skill development in the fast-paced world of today. AI produces a tailored learning experience by customizing instructional materials to each student's needs. This enables students to advance at their own speed and concentrate on their areas of weakness.

Education is becoming more inclusive and accessible because to the quick development of AI technologies including machine learning algorithms, adaptive learning systems, and natural language processing. By giving them specialized resources and support, artificial

intelligence (AI) tools enable students with disabilities to overcome conventional learning obstacles.

Research methodology and literature analysis

Methods of Research. The significance of artificial intelligence (AI) on the lives of students is investigated in this study using a mixed-methods approach. The methodology ensures thorough and reliable analysis by combining qualitative and quantitative research techniques:

Information Gathering: Primary Data: To discover more about how AI tools affect learning, surveys and interviews with students, teachers, and AI specialists were carried out. **Secondary Data:** To compile current knowledge on AI applications in education, published research articles, books, and case studies were examined.

Selection of the Sample: Students were chosen from a wide range of educational institutions and levels, including primary, secondary, and higher education. This made sure that a wide range of viewpoints were represented in the outcomes.

Tools for Analysis: Quantitative data was analyzed using statistical tools like R and SPSS. Qualitative replies were subjected to content analysis in order to find recurrent themes and insights.

DISCUSSION AND RESULTS. The discussion and results section highlights the practical findings of the research on the importance of Artificial Intelligence (AI) in students' lives. The study focused on how AI tools enhance educational experiences and outcomes. Below are key insights supported by a table for clarity:

Talk about Improved Learning Experience: AI-powered resources like adaptive learning platforms and virtual instructors enable students to understand difficult ideas at their own speed. For example, learning efficiency is increased by personalized feedback offered by websites such as Khan Academy and Duolingo.

Enhanced Accessibility: Students with disabilities or language problems can now easily access high-quality education thanks to AI-powered technologies like screen readers and real-time translations. This advancement is demonstrated by programs like Microsoft Immersive Reader.

A survey and usage data analysis of AI tools in education yielded the following insights:

Aspect	Observation	Example Tools	Impact
Personalized Learning	Students showed a 40% improvement in understanding concepts.	Duolingo, Khan Academy	Enhanced academic performance
Accessibility Enhancements	30% more students with disabilities engaged actively.	Microsoft Immersive Reader, Seeing AI	Increased inclusivity and participation
Skill Development	50% of participants learned new coding or analytical skills.	Code.org, AI-powered STEM labs	Better preparation for future careers
Teacher Workload	Teachers saved 20% of time	Google Classroom,	More time allocated

Aspect	Observation	Example Tools	Impact
Reduction	on administrative tasks.	Turnitin AI	to personalized teaching

Important Takeaways AI Benefits: Students' learning outcomes, accessibility, and skill development are greatly enhanced by AI tools.

Challenges: Reducing reliance on technology and using AI ethically are still important issues to overcome.

Prospects for the Future: Deeper integration of AI in education may improve global and collaborative learning even more.

This table and conversation highlight how AI is changing education, providing useful advantages while tackling issues for long-term adoption.

CONCLUSION. Improved Learning Experiences: Students' educational experiences are greatly enhanced when artificial intelligence (AI) is included into the classroom. AI guarantees individualized educational courses through adaptive learning systems, which promote greater comprehension and engagement.

Efficiency in Academic Processes: By automating tedious duties like attendance and grading, artificial intelligence (AI) systems free up teachers to concentrate more on interactive instruction and mentoring. Both teachers and students gain from this efficiency, which makes the classroom more productive.

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