

ROLE OF AI IN EDUCATION

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Ibodat Obidxujayeva Mirqodir qizi

Graduate student of Webster University in Uzbekistan

Email: imirxojiyeva@gmail.com

Phone : 93 376 13 77

Abstract

Nowadays artificial intelligence has important revolution on the way that we learn and we teach, which is making educational effectiveness more engaging and productive. And education efforts to use artificial intelligence suggest technology learning and natural educational process in order to enhance classroom experience management. The main benefits of using AI in education refers to better student outcomes, which means students can learn and choose they're learning style themselves. Additionally, intelligent tutoring systems chat bots and some automated assessment criterias can help to save teachers time and can provide more appropriate and precise feedbacks. On the other hand, there are some drawbacks and challenges in terms of adaptation while using AI in education system. Firstly, privacy and security concerns, cost handsome local disabilities can prevent The contribution of artificial intelligence in classroom learning. This part of this challenge is AI has already immense in education system, which nowadays including students and also teachers to be adaptive with it in education sector.

Keywords

AI, education, chat box, grading system, public disabilities

Introduction

Artificial intelligence nowadays has been transforming diversity of industries and education also. I I have special revolution of the way that we learn and teach which make it more personalised engaging and effective(Alneyadi,Wardat, Alshannag,Abu al Aish,2023). In this review of the article we will discuss the main potential of AI in education and how it's influencing to the change of learning(Samad, Hamza,Muazzam,Ahmad 2022). AI in education means the usage of artificial intelligent technologies in order to improve learning experience.(alneyadi 2023)

The main benefits of using AI and education refers to personalised learning which is the most significant pluses of AI in terms of suiting learning styles. And there are also some grading and assessment criterias with the help of the AI which can increase the efficiency and save teachers time and provide more appropriate and accurate feedbacks. However there are some challenges of using AI in education system such as privacy and accessibility. In the following sections of review article I will try to make a deeper discussions in terms of personalised learning, Intelligent tutoring systems, Grading and assessment, benefits and challenges of using AI indication. Additionally we observe future of AI in education and its contribution for innovative growth.

Method research

The research method used in this study Is qualitative descriptive method. We use it two types of data, primary data and secondary data which is called a qualitative data. Data sources are obtained through distance and traditional learning techniques that refers to sources and approaches for both online and offline lessons, such as accessibility and face to face connection. This source is our guys are based on discussions and referred all informations together. The data collection technicals used in this study word interview, systematic Observation and direct research. All data is analysed and conclusion it. ****

Result and discussion

Personalised learning

The use of AI in education improve the personalised learning which means. Enhanced the way students learn personalised learning is a teaching method, Really influence the individual needs weakness and interests of students. Personalised learning uses the technology to adapt instructions to each student's level and pace of learning(Zarei 2022) I I please critical role in personalised learning in terms of using machine learning algorithms for analyzation of data and I need to find patterns in students learning behaviours(Samad,2022). One of the primary benefits of personalised learning is that it helps to ensure the students receive the support and guidance they need to reach their full potential. Personalised learning can help catching up for struggling students while advanced students can be challenged at their level. By personalised learning students are observed to be more engaged and motivated for educative which refers to better academic performance and higher tension. AI based learning platforms can provide personalised learning experience in several ways. For example AI can and allies students past experiences to identify their weaknesses and provides a support for those areas. AI can also adapt the students learning piece and spitting up instructions in order to provide

feedback on students progress and offer some suggestions in order to enhance effective learning Experience.

AI grading an assessment process

Yeah I can automatically great the and assess the process and provide feedbacks to students which usually refers to saving educators time and effort(AlAli,Wardat,Al-Qahtani 2023). AI algorithms can easily analyse students performance and provides feedback based on criterias. For example AI powered automated grading is the use of automated essay grading system. These Systems use natural language processing do analyse students say and provide feedback and scoring.

Benefits of AI in education

Personalised learning

AI can help personalised learning experience for each students which allowed them to learn their own piece referring to their individual needs and abilities.. This can lead to increase student engagement and efficient learning.

Increased efficiency

I I can ultimately do multiple tasks such as grading, data analysis and freeing up time for teachers and students in order to focus on more detailed discussions.

Improved student engagement

AI can help to improve students engagement by providing interactive and interesting learning experiences. For instance, virtual assistants can make education more funnier and interactive while adaptive learning technologies can help students to stay engaged by useful sources and materials at their level of comprehending. Additionally, I I can analyse large amount of data and provide some insights into students performance which is the best way for teachers to deeper comprehending the year students needs and weaknesses.

Challenges of AI in education

Privacy and security concerns

The collection of analysis of large amounts of personal data from students could make some risks in terms of privacy if it falls into the wrong hands. Institutions and all authority must take into the account that they're taking appropriate measures to protect students privacy and prevent data breaches.

Some students may be troubled to accept grades of AI, who usually prefer to have human input and evolution.

Cost

I I system can be expensive to maintain which can be a challenge for educational authorities or institutions that are already facing some budget concerns

Ethical considerations

Am I busy education system must be designed with accessibility in mind ensuring that students those with disabilities can easily access and use the technology.

Future of AI in education

The future of AI in education refers to many opportunities for innovation and growth. I has potential to transform the way we teach and learn which make education more personalised effective and engaged. In the future we hope we see more advanced AI systems that can comprehend human emotions and create personalised lesson plans for its students.

Conclusion

While there are many benefits of using AI in education, there are also many challenges and concerns that needs to be discussed. Authority and institutions must carefully consider the cost of AI system in their classroom and should take into the account that they're insuring the appropriate measures to protect students privacy and security. By balancing the benefits and challenges of AI in education we can easily create more personalised and effective learning experience for all students and teachers.

REFERENCES:

- Ali, Rommel, Wardat, Yousef, & Al-Qahtani, Mohammed. (2023).
SWOM strategy and
influence of its using on developing mathematical thinking skills and on met
acognitive thinking among gifted tenth-grade students.
EURASIA Journal of Mathematics, Science and Technology Education, 19(3),
em2238. Alarabi, K., & Wardat, Y. (2021).
UAE-based teachers' hindsight judgments on physics
education during the COVID-19 pandemic. Psychology and Education Journal,
58(3), 2497-
2511. AlArabi, Khaleel, Tairab, Hassan, Wardat, Yousef, Belbase, Shashidhar, &
Alabidi, Suzan. (2022).
ENHANCING THE LEARNING OF NEWTON'S SECOND LAW OF MOTION
USING COMPUTER SIMULATIONS. Journal of Baltic Science Education, 21(6).
Role of Al in
Education <https://injury.pusatpublikasi.id/index.php/inj/index266> Alneyadi, Sai
f, Wardat, Yousef, Alshannag, Qasim, & Abu-Al-Aish, Ahmad. (2023). The

effect of using smart e-learning app on the academic achievement of eighth-grade students.

EURASIA Journal of Mathematics, Science and Technology Education, 19(4), em2248. Balamurugan, Rohini Janaki, AL-bonsrulah, Hussein A. Z., Raja, Vijayanandh, Kumar, Lokeshkumar, Kannan, Sri Diviyalakshmi, Madasamy, Senthil Kumar, Rasheed, Raffik, Rajendran, Parvathy, & Al-Bahrani, Mohammed. (2022).

Design and multiperspectivity-based performance investigations of H-Darrieus vertical axis wind turbine through computational fluid dynamics adopted with moving reference frame approaches. International Journal of Low-Carbon Technologies, 17, 784–806. Gningue, S. M., Peach, R., Jarrah, A. M., & Wardat, Y. (2022).

The Relationship between Teacher Leadership and School Climate: Findings from a Teacher-Leadership Project. Educ. Sci. 2022, 12, 749. s Note: MDPI stays neutral with regard to jurisdictional claims in published..