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THE ROLE OF ARTIFICIAL INTELLIGENCE IN MODERN EDUCATION

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ABSTRACT

The contribution of computer science to education has always been important. From robotic teaching to the phenomenon of automatic system to analyze the answer sheet, Artificial Intelligence has always helped every teacher and student. In this study, we took a deep look at various analytics developments in use around the world, such as computing in education. Science techniques and thereby generalize and emphasize the role of artificial intelligence in teaching and analyzing students. Artificial intelligence has enabled intelligent tutoring systems, the basis of all information science. These systems help develop the skills of self-reflection, deep questions to answer, breaking down conflicting statements, creating artistic questions, and making choices.

KEYWORDS

Robot, technology, space, autonomous, chat, tutor.

INTRODUCTION

Artificial Intelligence (AI) is present in our lives and in modern times is developing efficiently. The beginnings of artificial intelligence are often traced back to the 1956 summer computer science research at Dartmouth. Today, the work of artificial intelligence is in the investigation of cancer patients by the police, airplanes in reducing the risk of collisions, developing autonomous vehicles, etc. AI-powered robots

outperform human surgeons in stitching incisions; perform search and rescue missions; providing care for children, the elderly and hospital patients; helping master card firms detect fraud. In the last two decades, Artificial Intelligence technology has been used in education. Intelligent tutoring systems (IRT) are all basically artificial covers intelligence topics (e.g., data representation, machine learning, language, planning,

reasoning, explanation), and thus systems have formed a motivational testing ground for formalizing and experimenting with theories of psychological traits. their activities. Artificial intelligence in education has been applied in many fields, such as physics, programming, essay writing and reading, as the development of educational systems, the main typical applications of artificial intelligence in the academic field are data visualization, intelligent tutoring, includes the language process and autonomous agents. Artificial intelligence in education has created powerful learning environments and positive interactive experiences for students for decades. computer .Science and the rapid development of technology such as artificial intelligence will compact all fields along with education.

Artificial intelligence is changing the teaching process in education.

Since the beginning of education, teaching strategies as well as the relationship between students and teachers has developed significantly. Teaching strategies around the world have become an additional framework for managing higher, more effective results. This change will be mainly due to the continuous intervention of technology. On the back of continuous technological advancement, we are witnessing a paradigm shift in the way we teach and teach. where the relationship between teachers and students is dynamic, where teachers are extra comfortable and much higher in understanding the views of their students. Technology has created a more collaborative learning environment as academics and students navigate the two-person bike for higher performance.

How is artificial intelligence currently being used in education?

A report by Microsoft and McKinsey of more than 2,000 students and 2,000 teachers from Canada, Singapore, the UK and the US shows that AI is already providing teachers and schools with innovative ways to understand how teachers can make schools smarter. their students are developing, as well as allowing for rapid, personalized, targeted continuity of content.

The role of artificial intelligence in education.

1. Artificial intelligence is used to evaluate key activities in education, such as assessment can automate. Although artificial intelligence is never ready to replace human judgment, it is very closed. At this point, academics can tweak almost any type of multiple-choice test and fill-in-the-blank assessment, and automated grading of student writing may not be far behind.
2. Students can get additional help from artificial intelligence teachers. These programs teach students the basics, but so far are not ideal for serving students to learn higher-order thinking and creative thinking, something that real-world educators are still required to facilitate. Still, this shouldn't rule out the possibility that AI tutors will be able to test these things in the future.
3. AI-based software can provide useful feedback to students and teachers. AI can not only help academics and students create courses tailored to their preferences, but it can also provide feedback to everyone about the success of the course as a whole. These types of AI systems can help students support themselves and professors look for areas to improve teaching.

4. The role of teachers can change. There will always be a job for teachers in education, but what that role is and what it means will change as new technologies such as smart computing systems change. As we mentioned earlier, AI can take over tasks like grading, help students improve their learning, and even provide real-time tutoring can replace.

5. AI-powered data can transform how schools find, teach and support students. Intelligent data collection, driven by intelligent computer systems, is already changing the way we interact with prospective students. From recruiting to helping students choose the most effective courses, intelligent computing systems help tailor every area of the faculty to student needs and goals.

The latest applications of artificial intelligence are the latest in the real-world trends.

There are various areas where artificial intelligence will affect it:

1. Artificial Intelligence in Marketing: Customer Data Machine Learning is used to predict people's behavior and helps in easy segmentation for marketers.

2. Artificial Intelligence in Banking: A rapidly evolving approach, many banks are using AI-based techniques to detect credit card fraud, identify anomalies, and provide customer support through Electronic Virtual Assistants.

3. Finance uses this approach to identify patterns in the market in a very short period of time. These machines look at past data patterns and predict future insights from the data.

4. Artificial intelligence in agriculture: Using some automation approaches can help farmers to get better yields from their crops and protect them from weeds.

5. Uses sophisticated algorithms to identify and simulate complex human conditions in healthcare and to preemptively provide medication.

6. To create flexible and intelligent behavior for players in the game.

7. It is the best way to process and process data of this scale in space exploration. This artificial intelligence was used for NASA's next Mars 2020 mission.

8. Artificial intelligence in autonomous vehicles: An artificial intelligence system collects data from vehicle radars, cameras, GPS and cloud services to generate control signals that control the vehicle.

9. SI in chat bots: Virtual help is widely used in every home today like Siri, Alexa, Cortana. It can control home devices, book booths, order food, etc. can be used for

10. Artificial intelligence in artificial creation: Artificial creativity like social platforms like Facebook. Artificial Intelligence uses Machine Learning and Deep Learning Algorithm techniques for facial recognition and auto-tagging, designing feeds based on our interests, identifying hate speech and negative content.

Artificial intelligence and the workforce of the future
The World Economic Forum estimates that a large number of firms will adopt technologies such as machine learning, thereby encouraging governments and education to focus on every STEM (science, technology, engineering) e Strong focus on training and skills development encourages. and mathematics) and non-cognitive soft skills so as to fully meet the

need at hand. A recent study by Microsoft suggests that by 2030, students may be forced to occupy two sides of this new world when they graduate:

Take advantage of transformative technologies like artificial intelligence know how to use, understand how to work with people in a team to effectively solve problems. It's too early to prepare students to work aboard Artificial Intelligence in the future starts.

Most young people aren't digital by the time they reach college age, so it's important to teach them the skills they'll need to grow as they work digitally. Add the addition of artificial intelligence to education, and the long-term force is ready to face the unknown challenges of tomorrow.

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