

ROLE OF ARTIFICIAL INTELLIGENCE IN EDUCATION

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Abstract

Now a days using of AI is became a part of education, different methods are using to enhance the knowing of students by smart boards, interactive panel, different apps like to attend online classes etc. but along with good there are some disadvantages by using AI in our day-to-day life in education. Students lacking, they interest towards ethical education and running for online solutions in their studies. By this they may get easy for learning and slowly unknowing they addicting to the mobiles, tabs and lacking interaction with teachers and peers for sharing they knowledge as well as doubts.

Keywords: AI, Education, Student Learning, Peer.

Introduction:

Artificial intelligence (AI) uses increased day by day in education the use of AI plays a crucial role Different teaching methods are improved in education by introducing AI in educational institutions various methods are used in all streams of education like logarithms, creative videos & HD images according to they need to understand the concept easily. Thus, it makes the students stress free and to remember the concept for long time. But prolong using of AI also kills the creativity and thinking capable in students and leads to laziness towards studies and they lack interest in the work they doing and getting addicted to social media. Since a decade the use of AI is became a part but during covid pandemic the use of AI became the one and only source of education. Almost all schools, colleges, universities and other educational institution as followed the online classes and from that period education became incomplete without AI even after the pandemic and this leads to human qualities like creativity and empathy, limiting its ability to understand emotions or produce original ideas.

1. Visualized learning:

By using different images, videos on particular concept can create a good memory in students mind, while seeing the images they get an idea how the actual instructed or invisible creatures like microbes can see also while watching the videos they came to know the mechanism of particular concept more effective compare to ethical education while providing the different flow charts and smart image content which gives information in the form of image, charts and tabular form. Thus, it is helpful to understand the concept easily.

2. Digital Questionnaire:

This provides to attend no. of exams through online in less time period. also provide marks and answer at the end of the attempted exam so the student can rectify his /her mistakes immediately after the exam and gain the knowledge. This can save the time of the students as well as teacher which is the easiest method to conducted assessment to the student. It allows the student time felicity so student can attempt the exam during they convent hours in the given time period of exam which is given by the teacher.

3. Digital Study Materials:

Previously students used to study the question in the study materials but now everyone are going through the digital materials for studying which provides a large no. of examples, questions and problem-solving techniques in each concept this allows to acquire a wide range of knowledge in all subjects. This was also easy to carry to every place in the form of digital document or PDFs or converted images so we can use these materials even while travelling and can share with others who are in need with these materials.

4. Cost and Time Saving:

It is hard to buy different text –books, study materials and test series for practicing the questions for each subject and to maintain them or we need go library to search the book we need and start to study but by using digital materials we less cost to keep all types of books we required to study.

5. Automated Task:

AI can do automated tasks like conducting exam in the given time limit, generating reports after the exam, collects the personalized data information to attend any education events, giving / collecting feedbacks, generation certificates immediately after completing webinars or any online events which is a long-time taking process will become easy and reduces the burden to the organizing committee teachers. This also gives information or clarifies doubts for some of the FAQs about institute, course, subjects etc. which is helpful to approach without any doubts.

6.Reducing Human Error

AI helps to reduce human error and accurate results very efficiently which can save time and resources hence we can achieve zero errors or less error in the given task.

7.Handling big data

AI can process and make large data into compressed files (pdfs) so students and teachers can share more information through these files these are more effective than the images even an entire text can be converted into pdfs and used.

Role of Robotics in Education:

The use of robotics is increased in various fields of education especially in engineering these are used to conduct different computational programs, drones, monitors for learning and organizing the programs.

Disadvantages of Artificial Intelligence:

Although AI offers a wide range of advantages, it also has some of the disadvantages which are mentioned below:

Student Laziness:

Automation in tasks and increased availability even simple tasks such as small calculations or remembering numbers or addresses can affect humans in their day-to-day activities, which require memorization or analysis. AI is showing crucial effects in student life also for teachers unable to make the concept of the topic clear in recent years.

Lacking Creativeness:

Teachers lacking skill of effective without AI and not reaching upon student needs to make them understand the topics and clarify doubts. On another hand student lacking the knowledge of thinking, imagination and creativeness to solve minor problems by over using facility of AI.

Dependence on Technology:

As we are using the technology, we can observe that everyone become dependent on AI even to remember small calculations, date, the procedure we followed to learn the new things etc.

Lack of Human Interaction:

In recent years we can see that the students are not depending on teacher to clarify the classroom doubts and instead of learning the concept from teachers the depending on AI. This killing the interaction between the teachers and students and slowly it leading to unethical education.

Leading to malpractices:

As AI conducting the online exam/ assessment students are practicing the by coping from internet or passing the answer to their friends which gives keys immediately after exam. Thus, students' misuses AI exam.

Errors:

As we know that AI is most accurate by taking the particular-to-particular work if we do any mistake, it either doesn't give the result or gives error answer thus in education it may leads to inaccurate result

AI's Impact on Society:

The impact of AI on society is complex and multifaceted. On the one hand, AI has the potential to improve many aspects of society, in every part of education to transportation. On the other hand, the widespread adoption of AI could lead to over dependence on AI privacy.

To ensure that the benefits of AI are realized while minimizing its potential drawbacks, it is essential to approach its development and deployment with caution. Governments, businesses, and individuals must work together to establish ethical guidelines and regulations that protect individuals' rights and mitigate the risks associated with AI¹

SUMMARY:

These are some advantages and disadvantages of Artificial Intelligence. Every new invention or breakthrough will have both, but we as humans need to take care of that and use the positive sides of the invention to create a better world. Artificial intelligence has massive potential advantages. The key for humans will ensure the “**rise of the robots**” doesn’t get out of hand. Some people also say that Artificial intelligence can destroy human civilization if it goes into the wrong hands. But still, none of the AI applications made at that scale that can destroy or enslave humanity.²

Conclusion:

AI has both advantages and disadvantages of depending on how we use. Every new invention or breakthrough will have both, but we as humans need to take care of that and use the positive sides of the invention to create a better world. Artificial intelligence has massive potential advantages. The key for humans will ensure the “rise of the robots” doesn’t get out of hand. Some people also say that Artificial intelligence can destroy human civilization if it goes into the wrong hands. But still, none of the AI applications made at that scale that can destroy or enslave humanity.³

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