THE ROLE OF ARTIFICIAL INTELLIGENCE IN MODERN EDUCATION

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Educational technology in the modern age had exceeded a lot of scholarly expectations. Several new tools are introduced to help both educators and learners achieve effective and meaningful learning with the added convenience of flexibility and automation. Such fruits of technological advancements in the field of education include artificial intelligence.

Artificial intelligence encompasses all technology that is capable of performing tasks that would otherwise require human intelligence. By that definition, it is not hard to see how artificial intelligence or AI can help revolutionize the traditional way of education. In fact, there are already several facets of education where the use of AI is currently being applied. So far, the use of artificial intelligence in learning and knowledge delivery has been nothing short of being effective.

One of the most obvious applications of artificial intelligence in education is automation. Several AI technologies are designed to automate the grading of assessment forms and computing the GWA of students. This, of course, is a huge help to educators as their grunt work would be lessened and they could focus their energies on meaningful tasks such as teaching. Additionally, there are also AIs capable of sending automated responses to learners’ queries. Such technology provides 24/7 availability for student inquiries.

On the other hand, AI could also be used for tutoring and creating personalized learning plans for students. Currently, there are available artificial intelligence solutions for personalized learning. These AI solutions take notes of a learner’s areas of
proficiencies and weaknesses. Based on the data that they would gather, specific lessons or learning objectives will be prioritized to help the learner in the areas where he or she needs improvement. Some AIs are also capable of self-correction and by refining their algorithms, they are able to strategize learning plans for particular learners more constructively.

Moreover, artificial intelligence also allows for universally available tutoring sessions for learners with disability. Some artificial intelligence learning solutions are specifically designed to cater to visually, auditorily, or mentally impaired students. With time and further developments, artificial intelligence will soon be able to help break the learning barriers to any specific types of groups with learning disabilities.

Lastly, one of the most awe-inspiring features of educational AI technologies is their ability to deliver lessons in innovative and interesting ways. AIs are capable of visualizing information through powerful simulations. When paired with another tool known as virtual reality, AI-powered simulation can fully immerse learners in whatever environment was to be observed. Thus, it can find many applications in the field of sciences such as in biology and physics where theories should often be backed by visualization for deeper understanding.

With all that, we can conclude that artificial intelligence is very helpful in the modern educational setting. We must take advantage of such technologies in order to exceed the current marginal improvements in the quality of our educational system. Needless to say, we have to ensure that AI technology would be a huge part of the EdTech revolution as it has the potential to completely transform education and learning the way we know it.

References:
