

ARTIFICIAL INTELLIGENCE IN EDUCATION: BENEFICIAL FOR TEACHING AND LEARNING

by:

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Artificial Intelligence greatly influences the lives of people today, old and young. It affects the different sectors worldwide and education is no exception. It offers both opportunities and challenges in people in all walks of life especially those in school institutions. It promises enhancement in the educational landscape for the learners. However, the effective integration of artificial intelligence in education needs an in-depth understanding of both the technology and the learning process.

AI enables personalized learning by adapting educational content to meet the unique needs of individual students (Hennekeuser et al., 2024). Studies have shown that students in personalized learning environments exhibit improved self-efficacy and a more positive attitude toward their education (Johnson & Smith, 2019).

AI is an innovative tool that encompasses a wide range of technologies which is beneficial to both teachers and learners. When used properly, it provides personalized learning experiences allowing learners to develop at their own pace. Learners can have their own will whenever they want to extend and practice exercises and tutoring at their own. It also helps lessen the burden of doing home works, assignments and paper works because it gives access to rich information and learning resources. It makes learning and researching more engaging and effective.

On the part of the teachers, it is beneficial because it lessened the task of crafting lessons and instructional materials giving ample and more focused time in executing the lessons. Computation of grades are already automatic and examination results are

generated and easily identified the struggling learners. Also, remediation and intervention programs and resources can also be constructed easily thus, remediation proper is conducted right after the assessment and evaluation. Thus, teachers can focus more on instruction and mentorship.

Despite of the benefits provided by AI, there are also challenges associated to it namely; data privacy and security, technology dependence eradicating the critical thinking and problem-solving skills of the learners and understanding the limitations of AI application.

Artificial Intelligence is highly beneficial in education because of the help given favorable to both parties- teachers and learners. But it is still best to first understand the challenges of its implementation and integration to ensure the effective and successful teaching and learning process.

References:

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