The Potential Role of Artificial Intelligence in Educational Sector

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Abstract: *Advancements in information technology have had an impact on all areas of human activity and are expected to have a significant influence on education, particularly in the field of distance learning, by turning it into a more interactive and innovative form of participation. The demand for novel approaches in showcasing the learning process intensifies and accelerates. The information era is a time of great potential and unprecedented opportunities for the exchange of knowledge, data, communication, and research to improve the process of learning and demonstration. Progress in information technology enhances global information sharing. These can offer valuable statistics and information to both instructors and students. Precise and accurate data is essential for effective teaching and learning, and data innovations (Haag, 1998; p.10) refer to "a collection of tools that facilitate the provision of appropriate individuals with the necessary data at the appropriate time." Students have freedom and autonomy to make optimal choices for their education, including options about studying time, place, and resources. Students have the opportunity to collaborate and engage in a learning environment that promotes community and intelligence. They may effectively communicate, share information, and exchange ideas and learning experiences with all others in the environment. Key terms include: allocation, conceptualizing, fashion, aesthetics, and incorporate.*

Keywords: Artificial Intelligence, Data, Education, Students