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Benefits of artificial intelligence for slow learner students

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Artificial intelligence (AI) can be used to create adaptive-learning environments, which can adjust the level of difficulty of learning materials based on student progress. The term 'slow learner' refers to a child with below average skills and intelligence. AI can, thus, help slow learners to "progress at a pace" they are comfortable with for increasing their confidence in their abilities. The objective of this paper is to present discussion on the ways in which AI can offer benefits for slow learner students in class room environment. The author has used secondary data (largely 'qualitative'), and method of data analysis is descriptive. Analysis of data in this work indicates that AI can be used to develop slow learner students in three ways:

Personalize learning experiences: AI can be used to create personalized learning experiences for slow learner students. This aspect can be ensured by identifying (a) progress, (b) strengths, and (c) weaknesses. AI-powered learning platforms, e.g., can recommend different practice problems to students based on their performance.

Immediate feedback: AI can also be used to provide students with immediate feedback on their work; this enables them to identify their mistakes and learn from them quickly. AI-induced writing assistants, e. g., can provide feedback on students' grammar, style, and clarity.

Adapt to learning pace: AI can be used to adapt the learning pace of the students. It is important because slow learner students need additional time to learn in class rooms teaching outcomes; this ensures that they are not left behind.

The author, in this research work, briefly concludes that slow learner students learning friend in the form of AI. With its use, it is possible to identify learners who are at risk of abandoning the classes due to their (slow) leaning speed, thereby creating "adaptive learning pathways".

Biography

Santosh Kumar Mishra is a respected academic at S.N.D.T. Women's University, India. He has a keen interest in the intersection of technology and education, with significant contributions to research on the use of AI in personalized learning. His work focuses on leveraging AI to create equitable learning environments that empower all students, including slow learners, to achieve their potential.