

THE FUNCTION OF AI IN EDUCATION: MANEUVERING AVENUES AND CONCERNS

by:

Angustia A. Guddaran

Master Teacher I, Hermosa National High School

Unquestionably, the introduction of artificial intelligence into classrooms has changed how learning occurs. On the one hand, highly adaptive, customized learning experiences are provided by AI-driven platforms like those used by Khan Academy. These systems can identify problem areas and provide focused practice or feedback, frequently in real time, by evaluating student performance data. Because it enables really customized educational paths, this approach has special promise for children who need extra support, such as those with learning difficulties.

The ability of AI to automate administrative duties has also reduced the workload for teachers. It is now possible to manage class schedules, grade objective examinations, and keep track of students much more efficiently. Teachers are therefore given more time to concentrate on meaningful student involvement and high-quality education, which may increase work satisfaction and enhance learning results in general.

In addition, before AI can be used in education in a way that is morally correct, just, and efficient, a number of important challenges must be addressed. These include cybersecurity, instructional effectiveness, reliable AI, ethical standards, curriculum integration, affordability, exploitation and vulnerability, and inequality. To solve these problems and create frameworks that are ethical, inclusive, and focused on important learning goals, collaborations among educators, lawmakers, technologists, parents, and students is a must.

Furthermore, the comprehensive collection and analysis of student data raises serious privacy and data protection concerns. It is crucial to continue to practice responsible data stewardship. The possible displacement of human educators is another urgent issue. AI is capable of doing some jobs effectively, but it is unable to replace the social, emotional, and critical thinking skills that are essential to good teaching and learning. Therefore, the most beneficial use of AI is as an additional tool that enhances rather than replaces the crucial, irreplaceable role of the human educator.

Integrating AI into the classroom, to sum up, is a difficult and complex process. The technology has the potential to completely transform education, from personalized instruction to administrative assistance, but it also presents serious ethical and practical challenges. Addressing these issues will require ongoing research, careful policy analysis, and a strong commitment to ensuring that technological innovation enhances rather than diminishes the human element of education.

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