



Use of AI in Teacher Education

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Abstract

Artificial Intelligence, commonly referred to as AI, is the ability of machines to mimic human intelligence processes such as learning, reasoning problem solving and decision making. AI systems are powered by algorithms that allow computers to analyze large data set's, recognise patterns, and make decision with minimal human intervention. In education, AI has become a catalyst for change, It enables adaptive learning platforms, virtual assistance, automated administrative tasks, and much more. With the integration of AI in classrooms and curricula, students now experience a smarter, more efficient, engaging way of learning that are reshaping the future of education. AI helps tailor educational content according to a student's learning style, pace and interest and 24/7 access to learning. AI provide immediate feedback on assignments and assessments. Thus enabling the creation of intelligent and interactive content such as digital textbooks video lectures and AR based models. AI tutors engage students with Interactive sessions and rewards. It provides analytical insights for improvement. This leads to better time management and reduced academic stress. We welcome research in AI in Education from a wide range of quantitative and qualitative research modalities, across a wide range of learning environments from all educational levels and educational spaces.

