A Systematic Review on Influence of AI in Today’s Classroom

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**Abstract—** Artificial Intelligence is becoming increasingly important in our everyday lives. AI currently monitors, manages, and controls almost everything in the world around us. The business landscape is changing due to new discoveries and inventive ideas in the fields of medicine, agriculture, commerce, finance, e-commerce, and logistics. Artificial intelligence has ushered in numerous advances in the field of education as well. In the education industry, the use of machine learning, deep learning, big data, and augmented reality has eased teaching and learning. Developing nations have begun to employ artificial intelligence (AI) systems to track teacher and student performance, peer-to-peer relationships, learning outcomes, and other factors. As the education business undergoes a paradigm change from purely classroom to partially online, AI appears to be gaining traction inside the classroom and will become a significant influencer in the industry. The numerous AI technologies utilized in today's classroom are identified and reviewed in this study using a methodical manner. This paper will also address the many research projects that have been undertaken in this subject, as well as the future of AI in schools.

**Index Terms— *Artificial Intelligence, Education 4.0, Machine Learning, AI Based classroom.***

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