

عنوان مقاله:

The Roles For Artificial Intelligence In Education

محل انتشار:

چهارمین کنفرانس بین المللی تحقیقات پیشرفته در علوم، مهندسی و فناوری (سال: 1399)

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خلاصه مقاله:

In the era of digitalization and rapidly changing technology, artificial intelligence is one the fastest evolving technology across the globe. Artificial intelligence deals with the study and development of intelligence of machines and software. Further this technology has vast applications in various sectors like education, healthcare and manufacturing. Artificial intelligence has potential to lift various industries by reducing the human effort and increasing productivity. In education sector application of artificial intelligence has been the subject of research for 30 years. Artificial intelligence in education sector is applied in every field where learning occurs, in traditional educational institutes or in workplaces in order to support learning and formal education. Artificial intelligence helps to promote the development of learning environments and other artificial intelligence tools that effective, engaging and personalized. Recent growth in numbers of universities and post graduate programs globally will provide boost in the growth of the market. Additionally, government initiatives to improve the quality of education and increased expenditures to modernize the education sector by deployment of various education programs and education software such as ERP (enterprise resource planning), LMS (learning management system) will help North America to dominate the market in coming years. Another trend that can be seen in educational sector is artificial intelligence based educational games. Educational games help teachers to deliver their teachings in an interactive and engaging manner. Such methods create curiosity within the learners and helps in better development of mind. These games are embedded with adaptive learning features so that students can be guided in real time and timely suggestions for better learning experience. Moreover, rising number of startups and huge investments in AI by large market players like Intel, Microsoft, Google naming few, will help the artificial market to grow significantly in nearby future.

کلمات کلیدی:

digitization, artificial intelligence, educational software, learning management system

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