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Innovative AI Applications for Education

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Abstract: In Digital Education schools use virtual reality, extended reality, and ChatGPT to deliver content in exciting new ways and train students for the future of work. Now a day's most of school Education using with AI tools in their curricula aspects. The innovative schools were accepting AI tools and technique. This kind of Education more powerful in future trends. As Education increasingly integrate artificial intelligence (AI) into their operations, it becomes more essential that students gain a mastery of emerging technologies. Business schools are responding to the need with a range of initiatives that explore the possibilities and perils of virtual reality (VR), extended reality (XR), ChatGPT, and other digital tools. Here look few schools that have reached beyond the constraints of traditional classrooms and created quirky ways to make AI a part of learning. They're not only delivering content in radical new formats, but helping students perfect the skills they'll need in tomorrow's workplace.

Keywords: virtual reality, AI tools, innovative schools, skills, Education

I. INTRODUCTION

In today's digital age, innovation has become an integral part of every aspect of our lives, including education. With the rapid advancements in technology, students now have access to a wide range of tools that aid their learning journey. These tools have revolutionized the way education is imparted and have made learning more engaging, interactive, and effective. In July 2017, the State Council issued the Development Plan for The Next Generation of AI, proposing the development of the AI Education system and the use of artificial intelligence technology to speed up education reform and new talent training programs. In May 2019, General Secretary Xi Jinping announced the official launch of the 'AI + Education' strategy at the International Conference on artificial intelligence and Education. The integrated innovation of AI and education has become a new form of future education.

Significance

Artificial Intelligence Will Make the Traditional Classroom MoreIntelligent

The application of artificial intelligence in education can free teachers from the repetitive mechanical work, so that they can have more time and energy to focus on thecultivation of students' high-level thinking and innovation ability, making "teachers" become real "masters" and "coaches". Teachers are no longer merely impeller ofknowledge, but teaching service providers to meet students' personalized needs and growth consultants to design and implement customized learning programs.

Open Education Environment, Education Scene is no Longer Limitedto the Classroom

Artificial intelligence can bring unusual experience to teaching. The application of artificial 1 intelligence to education can make education no longer confide to the classroom. At the same time, the school, society and enterprises will be organically integrated, so that students can get more open and diversified educational experience.

Educational Simulation Game

In modern education concepts, quality education is emphasized. Therefore, the class- room atmosphere should not be lifeless, but should be presented in a more entertainingway. Under the background of the rapid development of artificial intelligence, educational simulation games are not entertainment activities in the traditional sense. They are more targeted.

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They promote the openness of education and teaching through games, and create some digital games based on the simulation environment. Students can have a higher enthusiasm for learning. Through intelligent simulation games, students can form a new understanding of things, and at the same time, their observation and thinking abilities can also be well exercised, which promotes students to discover and solve problems proactively. Based on the simulation game environment, students can be more involved in learning through playing different roles, and participate in learning activities with great interest to gain new knowledge. The introduction of simulation games in teaching can show some abstract knowledge in concrete forms, so that students can form a more intuitive understanding and feelings, can effectively enhance students' attention, and make students' professional knowledge learning moresolid and in-depth.

Educational Robot

Educational robots involve many disciplines. The application of multi-disciplinary knowledge and technology, the role of educational robots developed in assisting teaching is obvious. It can effectively add interest in the classroom, stimulate students'innovative ability, and rely on information technology to enhance students' knowledgeand the ability to obtain information. In specific teaching applications, educational robots are an intelligent teaching tool that can form a powerful supplement for teachersto carry out teaching activities. Students can also actively seek answers to questions through this human-computer interaction and promote self-learning capabilities. Educational robots can perceive changes in students' emotions. Educational robots can perceive changes in students' emotions. If there are more exchanges with students, they can more accurately grasp the learning effects of students, which is conducive to teaching students in accordance with their aptitude, so that students can feel knowledge from the communication with intelligent robots charm.

The Research Status

At present, China has fully realized the importance of the integrated development of artificial intelligence and education, and carried out the relevant planning layout. In 2017, the Chinese government issued the Development Plan for the New Generation of ARTIFICIAL intelligence, proposing to speed up the training of high-end ARTIFICIAL intelligence talents, build artificial intelligence disciplines and develop intelligenteducation, said Zhong Denghua, vice minister of Education.

In 2018, the Ministry of Education released the AI Innovation Action Plan for Institutions of Higher Learning topromote the implementation of AI in the field of higher education. In February 2019, China Education Modernization 20135 was released, proposing to accelerate the educational reform in the information age, build intelligent campuses, coordinate the construction of integrated intelligent teaching, management and service platform, and use modern technology to accelerate the reform of talent training mode. Under the guidance of these policies, some regions and schools have begun to explore the integration of artificial intelligence and education.

Future Development Trend and Development Direction

Artificial intelligence has been developed by leaps and bounds for more than 60 years, and it is widely used in all walks of life, especially in the education industry. Companies are using AI technology and big data to help students learn and explore per- signalized education. For example, Polaris USES AI to build the artificial intelligence assisted teaching system "Polaris AI", Ape Guidance launches the AI correction pro- duct "Little Ape manual calculation", and the homework box releases the full AI courseproduct "small box classroom", etc.

In 2018, Teachers in Teachers' Classroom released the "Squirrel AI" intelligent adaptive system, which focuses on online general practice tutoring in primary and secondary schools. With the help of the intelligent adaptive system, teachers scan knowledge gaps based on students' online learning data, so as to help students find and fill up gaps and improve learning efficiency. This year, the technology President of Good Future Group said that the construction of smart education open innovation platform has achieved preliminary results. Under the framework of education national new-generation artificial intelligence open innovation platform, good Future Education open Platform will continue to deepen the openness tounite industrial partners and create a better future for the education industry.

On August 12, 2020, the artificial intelligence Education Alliance was established in Qingdao and Hisense will contribute to the deep integration of "AI + education". Today, AI adaptive education is no longer a new things. Up to now, the world

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has more than 100 companies, more than 100 million users. Enough to see the speed of its development. Under the condition of new technology in determining the quality of innovation education, innovation education teaching system must be thoroughly the traditional education concept, applied in the field of education technology is not only cold, auxiliary, without the connotation of machinery and equipment, and should be with temperature, the connotation, character, emotion and thinking, dynamic and creative interaction partners. With the rapid development of big data, cloud computing and 5G support, it can be predicted that artificial intelligence technology will play an immeasurable role in the future education world, and will completely change the status quo of teaching, making individualized and precise teaching become a reality. In recent years, with the development of computer technology, network technology, artificial intelligence technology, and modern education and teaching theories, the development of artificial intelligence in education has shown the following trends.

II. CONCLUSION

In fact, artificial intelligence education, in essence, is to simulate an excellent special-level teacher and give students one-on-one personalized tutoring. In the future, artificial intelligence will surely help all of us with lifelong learning. Future education is the collaboration between human and artificial intelligence. The new technology with artificial intelligence as the core will be integrated with teaching and become the next core driving force. Emerging technologies not only change people's study, work and life, but also bring new opportunities to the innovative development of future education. In a word, with the continuous progress of ARTIFICIAL intelligence, artificial intelligence will definitely have a broad development prospect and wider application inthe future education world.

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