

## THE ADVANTAGES AND DISADVANTAGES OF ROBOT TEACHERS IN TEACHING PRIMARY SCHOOL.

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**Abstract:** *As robotics and artificial intelligence continue to improve at an exponential rate, we will be able to use robots to help with education to do some amazing things. Using a project-based approach, primary kids may be introduced to many parts of technology, coding, and problem-solving through the intriguing field of robotics engineering, all catered to a younger audience. In elementary school, robot instructors are essential and dangers for teaching. This article will describe not only the benefits but also drawbacks of robot teachers in teaching primary school.*

**Keywords:** *Teaching, robot teacher use, the role of robot teacher, primary school, pros and cons.*

Introduction: Teaching is a social process which is an integral part of the process of education. It is seen as an art to help someone else learn by sharing information and expertise, setting up conducive environments, and getting students involved in worthwhile activities. The robot instructors are preprogrammed to perform their duties, follow without question, and are the answer to education. They can teach you technical skills, educate underprivileged children who don't have access to technology, and they are not required to be paid.

Robot teachers in primary school have both diverse and vital roles. For instance, delivering lessons: they can deliver lessons in an engaging and interactive way, using multimedia resources to enhance learning. Next, providing support: robot can provide individualized support to students who may be struggling with certain concepts, offering additional explanations or resources. Encouraging critical thinking: robots can encourage students to think critically, solve problems, and develop their creativity.

Today, robot teachers are much more sophisticated. They can teach a wide range of subjects, including science, history, and social studies. Robot teachers can also be used to provide individualized instruction to students. They can assess each student's progress and tailor the lessons accordingly.

There are various advantages and disadvantages of robot teachers in teaching primary school. The benefits of robot instructors in teaching elementary school.

1. Reliable and consistent. Robotic teachers are capable of imparting knowledge on a regular basis without becoming weary or preoccupied.

2. Personalised learning. Based on each student's unique requirements and learning preference robots may offer individualize learning experience.

3. Interactive learning. Robot teachers can engage student through interactive methods, games, multimedia resources making learning more enjoyable and effective.

4. Enhanced engagement: Students may be more actively involved in the learning process when robots employ interactive tools and technology in primary school.

5. Cost-effective: Employing robot professors may end up being less expensive in the long term than paying human instructors.

6. Access to high-quality education: In places where there is a scarcity of certified human instructors, robot teachers can offer high-quality education.

7. Specialist Knowledge: Current information and specialist knowledge in a range of disciplines may be programmed into robot teachers. This guarantees that during their lectures, pupils learn pertinent and correct material.

8. Benefits to Safety and Health: Robotic instructors may go on teaching in the event of pandemics or natural calamities without endangering their own well-being. Additionally, they might support the upkeep of social distancing policies in schools.

9. Language Support: By offering interactive language activities, vocabulary drills, and pronunciation assistance, robot instructors may help students who are learning a new language.

In the classroom, robot instructors can be a great assistance, helping with anything from assignment grading to attendance monitoring. This allows human teachers to spend more time with students one-on-one. They never grow weary! All day long, robot instructors may patiently go over ideas with pupils, respond to their inquiries, and provide practice.

The disadvantages of robot teacher in teaching primary school.

1. Lack of Empathy: Human emotions and empathy are essential for comprehending and establishing an emotional connection with pupils; robots lack these qualities.

2. Limited Creativity: Robots can find it difficult to come up with original ideas or modify classes in response to the requirements or reactions of the pupils.

3. Social Interaction: Human teachers are crucial in helping pupils develop their social and emotional intelligence; machines are unable to do this.

4. Technical Problems: Robots are prone to technical problems that need to be fixed by experts in the field in order to avoid disrupting the learning process.

5. Role Modeling and Mentoring: In addition to teaching academic topics, human instructors frequently act as mentors and role models for their pupils, providing them with direction, support, and life lessons. It's possible that robot instructors won't fulfill this crucial role in education.

6. Cultural Sensitivity and Diversity: It can be difficult for robot instructors to deal with issues of diversity, cultural sensitivity, and tolerance for other people's viewpoints and backgrounds. In the classroom, human educators may promote tolerance and offer a more nuanced awareness of cultural diversity.

Robotic teachers are unable to identify underlying personal concerns that may be affecting a struggling student's performance, nor are they able to inspire pupils who have certain areas of strength and passion in a topic to pursue particular career choices. When

technology is used to replace human education in developing nations, it can be challenging to determine the design requirements for instructional software that works.

In conclusion, robot teachers can enhance teaching and learning experience in primary school by providing engaging, interactive, and personalized support to students. They can help make learning subjects more fun and effective for young learners, setting them up for success in their language learning journey. While robot teachers offer certain advantages in terms of consistency, availability, and personalized learning experiences, they also come with limitations such as lack of empathy, creativity, and social interaction. It's essential to strike a balance between leveraging technology for educational purposes while also recognizing the irreplaceable role of human teachers in providing holistic education to primary school students. Robot teachers in education primary school are a great venture. Given the technological changes that the world is going through, everyone needs to embrace the use of robots to teach.

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