

The Application of Artificial Intelligence for English Teachers

Somnath Kisansing Suryawanshi

Assistant Professor, General Engineering Department, Walchand Institute of Technology, Solapur, India

ABSTRACT

The birth and development of science and technology is to better serve mankind. The development of artificial intelligence technology is becoming more and more mature, especially in the application of English teaching, which promotes the reform, development and modernization of English teaching. This paper analyzes the connotation of AI technology and the application of artificial intelligence technology in English listening, writing, translation and oral teaching.

*Corresponding author

Somnath Kisansing Suryawanshi, Assistant Professor, General Engineering Department, Walchand Institute of Technology, Solapur, India.

Received: February 26, 2024; **Accepted:** March 05, 2024; **Published:** March 11, 2024

Keywords: Artificial intelligence, English Teaching, Application

Introduction

In the new era, artificial intelligence technology has made an important breakthrough in the field of education and teaching. At present, the accuracy of artificial intelligence speech recognition technology, which is in the leading position in the world, has reached a very high level. This speech recognition technology is widely used in all aspects of our life. In addition, language translation, speech synthesis, speech testing, speech conversion, voiceprint recognition and other artificial intelligence technologies are also closely related to language learning. In modern society, machines can not only understand people's words, but also give full feedback to people's words. Artificial intelligence has brought new ideas and breakthroughs to human learning methods, but also challenges and opportunities to all aspects of teaching.

What AI is?

Artificial intelligence crosses many different domains, including fields such as computer vision (think self-driving cars which can distinguish a pedestrian from a signpost) and predictive analytics (think about the Face book timeline, which predicts what story you want to see next based on what you've clicked on before). In fact, a more helpful term for thinking about what artificial intelligence can do is machine learning. Machine learning is when humans (generally data scientists) use large data sets to train computers to make models which predict the outcome of some future event. This could be the likelihood of it being safe for a self-driving car to make a left turn, or – to use a language learning example – the likelihood that a student will know how to translate the word chien into English.

When you look at machine learning in more detail, it is fundamentally statistics. When we talk about AI, we are often referring to the power of simple, well-established mathematical formulas to make accurate predictions. These techniques have been around for centuries in some cases; what has changed is our access

to the computing power to automate calculations and use them in innovative new ways such as self-driving cars, personalised content recommendations or adaptive learning systems.

How Can AI Help Language Teachers?

First of all, AI is a fascinating topic, and one which can provide rich discussion in conversation classes. There are fantastic resources online for explaining what AI really are if you want to discuss the technical implementation of tools like machine learning. Alternatively, there are some intriguing visions of dystopian futures or concepts such as the singularity that make for lively debate topics.

Most importantly, the future of AI is about saving both learners and teachers time to focus on developing skills such as conversational fluency or confidence in communicating across cultures. The strength of AI is in creating a personalised learning experience that allows the student to work on their personal areas of weakness and benefit from tailored feedback, rather than following along to a one-size-fits-all model of learning. If students are using AI-powered language learning tools in their own time, their classroom time can be optimised for focusing on the skills and capabilities that no machine can (yet!) deliver for them.

Benefit of an AI-Assisted Language Learning Process

From a practical point of view, how can students benefit from language learning that exploits the potential of AI?

Firstly, AI puts data analysis at the service of devising learning experiences built around the characteristics and needs of each student. Consequently, if adequately integrated within a course of study with clear learning objectives, AI can increase student engagement. Activities will no longer be based on the principle of one-size-fits-all but will be tailored to the individual learner.

Secondly, AI-supported approaches to language study can work as an effective multiplier of learning opportunities. In fact, AI

powers applications and software that learners can use in various situations not necessarily confined to school time.

To sum up, AI-based language learning solutions enable students to learn at their own pace and inclination and enhance the personalization and the immersion of the language learning experience. However, to make these benefits concrete, there must be a clear pedagogical objective set by experienced language teachers. As the English Teacher Raquel Ribeiro Pointed out “Teacher guidance and creativity, allied with AI technology tools are a powerful means to encourage students’ development in their language learning journey”. This is an important principle, which we suggest anyone trying to implement digital learning paths for pupils and teachers should bear in mind. Making language study more efficient is the mission we pursue at Sanako. Sanako Study can help you to increase teaching efficiency. With Sanako, we can observe each students’ station: we can observe what they’re doing on their screens and we can listen in on what students are saying. I’m able to have a class come in here every 30 minutes. Then proctor an exam and have another class come in the next 30 minutes. So it’s really user-friendly. If you would like to find out more about how Sanako’s suite of cloud and classroom-based solutions could help build your language teaching.

Providing Instant Feedback

With artificial intelligence language learning, feedback comes quickly. When you’ve worked hard on an important test, waiting for the results can be intense. And when a week later you see the mistakes you made, you might not actually remember how or why you made them. AI language learning platform can grade tests and even evaluate essays automatically right after you’ve turned them in, pointing out errors and suggesting ways to avoid them in the future. This allows students to instantly take action to correct their mistakes and probably do better on future tests. As far as teachers are concerned, AI language learning solutions can pinpoint weaknesses in their curriculum and help them.

No Fear of Failing

It’s okay to make mistakes – that’s how people learn. Unfortunately, when students make mistakes, get low grades, or fail to answer questions, they often feel ashamed or even scared: “What will the teacher say?” AI in language learning won’t reprimand or criticize learners, tell them they’re not smart enough in front of the whole class or threaten them with reports to their parents or a visit to the principal. AI can evaluate learners without judging them.

A Redefined Role for Teachers

No, AI will not make teachers lose their jobs, but it will redefine the role of teachers. Instead of being the sage on the stage, teachers will become the guide on the side, meaning that technology will cover teachers’ mundane tasks while they will become more like advisers to learners. With AI language learning doing the grading and the paperwork, teachers will have more time to coordinate the learning process and mentor students. Teachers who are more tech-savvy may also try on the role of data scientists, analyzing and using the data gained from the learning process.

Teachers’ Perception of Artificial Intelligence

In the era of information education, the main link in teaching is to implement quality education, improve the quality of education and teaching, and expand the amount of information in classroom teaching. Research by authoritative experts shows that “sight and hearing are the main organs of student learning.” The use of information technology to teach can greatly change the amount

of information that students receive. Therefore, after information technology becomes a teaching method, the tool library for our study is richer and more complete. In the traditional classroom, only on the basis of the key points and difficulties of the students can improve the teaching quality. A large number of practical examples show that the use of information technology can break through the key points and difficulties in the teaching process. Teachers highly recognize the role of artificial intelligence. 52.1% of teachers think that artificial intelligence is very helpful to the professional development of teachers, 32.3% of teachers think that artificial intelligence is more helpful to their professional development, and 12.5% of teachers are more comfortable with artificial intelligence. The recognition of intelligence is average, and only 3.1% of teachers believe that artificial intelligence is not helpful to their professional development. In general, as an inevitable trend, artificial intelligence will develop and grow in education and teaching.

Deeper Involvement in the Learning Process

Thanks to AI used for learning a new language, learners will be able to study from any place in the world at their own pace, set their own goals, and follow a customized syllabus. Teachers won’t have to go over the same material each year thanks to a personalized approach to learning that varies from student to student. Plus, AI will help develop engaging games, quizzes, and other learning and exploratory activities that combine programs of study with students’ interests.

Conclusion

Artificial intelligence is the product of development in the intelligent age. At present, various corporate departments are in the initial stage of research in this field and are scrambling to seize opportunities to promote new series of intelligent products to seize opportunities. As the main force of national scientific research, universities have an unshirkable responsibility for the study of artificial intelligence. Some universities offer artificial intelligence courses to lead the trend of the times. As a teacher, understanding and using artificial intelligence is a familiar skill. The theory of teachers’ professional development at home and abroad is relatively mature. The advancement of educational technology will bring about changes in education. At present, the most popular artificial intelligence products have been put into use in the field of education, which has brought a certain impact on traditional education. This article uses questionnaires, interviews, and data collection to understand the use of artificial intelligence among teachers [1-4].

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