

METHODOLOGICAL FOUNDATIONS OF USING THE POSSIBILITIES OF ARTIFICIAL INTELLIGENCE IN THE DEVELOPMENT OF MOTIVATION TO LEARN ENGLISH AMONG STUDENTS

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Annotation. This paper will discuss the methodological foundations of integrating artificial intelligence (AI) into students' English language learning. As a result of technological advances, teachers are increasingly using AI technology to improve language acquisition. This article aims to provide suggestions for effective approaches to the use of AI in English language teaching by analysing the state of AI in modern education and the possibilities of using it for language acquisition. The article emphasises a number of important factors including adaptive learning, flexible feedback and interactive learning based on various cited materials such as academic journals, research articles and teaching materials. By understanding the methodological principles behind the use of artificial intelligence in English language teaching, teachers will be able to use technology effectively to maximise student learning outcomes.

Keywords: artificial intelligence (AI), personalised learning, adaptive feedback, interactive learning, educational technology, C-based platforms, pedagogical principles, deep learning algorithms.

Introduction

In recent years, the integration of AI in education has changed traditional teaching methods and offered innovative solutions to improve the learning process. Due to the ubiquitous relevance of English worldwide and the increasing demand for those who are fluent in English in various professional fields, the integration of AI is important for teaching English compared to other subjects. This article aims to explore more deeply the methodological foundations of using Artificial Intelligence [Data] 292 in teaching English to students, and to highlight effective strategies and ideas for teachers.

Current State of Artificial Intelligence in Education

Before we delve into the methodological aspects, we need to understand the current state of AI in education. Artificial intelligence technologies such as natural language processing and deep learning algorithms are increasingly being used to develop educational tools and platforms [A. Jain, G. Kulkarni, and V. Shah 2018: 161]. These AI-based solutions cater to the individual needs and learning styles of learners by offering personalised learning experiences, flexible feedback mechanisms, and interactive learning capabilities.

Academic research and empirical studies have shown the effectiveness of AI-based educational interventions in improving students' performance in various subjects, including language learning. For example, platforms using C algorithms can analyse learners' language

proficiency, identify areas for improvement and adapt learning materials accordingly. In addition, chatbots and AI-enabled virtual tutors provide real-time feedback and support, facilitating autonomous learning and language practice outside the classroom.

Recent research shows that adaptive AI-based learning systems significantly improve learners' language skills compared to traditional teaching methods [R.Rusiyanto vs.2023: 750]. Their study with a group of English language learners showed that personalised learning pathways created by C algorithms lead to higher levels of learner engagement and achievement. Another researcher conducted a meta-analysis of adapted feedback systems in language learning and found that C-driven feedback mechanisms lead to significant improvements in learners' language skills, especially in areas such as grammar and vocabulary acquisition [Y.Yesilyurt 2023: 26].

Methodological foundations for the use of artificial intelligence in English language teaching

Effective integration of AI in English language teaching requires a solid methodological foundation that is consistent with pedagogical principles and educational goals. The methodological foundations of using artificial intelligence in English language teaching are based on several main points:

1. Personalised learning: platforms supporting AI educational content and assignments depending on students' skill level, interests and learning choices can be customised. Teachers by personalising the learning experience meeting individual student needs and activity between students and can increase motivation. For example, C algorithms allow students to know the language level can analyse indicator data and personalised learning targeted vocabulary exercises, grammar exercises and providing vital tasks tailored to learners' language learning needs can be sufficient.
2. Adaptive feedback: artificial intelligence algorithms students can analyse their performance, provide quick feedback and improve they can provide targeted suggestions. Flexible feedback mechanisms allow students to track their performance and achievements, strengths and weaknesses and effectively improve language skills. For example, artificial intelligence-based assessment tools allow students to assess speech and writing tasks, analysing linguistic errors and grammar, providing detailed feedback on pronunciation and vocabulary usage possible. In addition, flexible feedback systems allow students to the level of difficulty of learning tasks according to demonstrated ability it gives optimal difficulty and skill development.
3. Interactive learning: multimedia resources si Technologies, interactive learning through game tasks and virtual simulations offers its expertise. By incorporating interactive elements into English language learning engaging and dynamic learning in which teachers improve comprehension and memorization can create an environment. For example, language learning based on artificial intelligence to facilitate active and experience-based learning on their platforms Interactive multimedia content such as videos, audio recordings and interactive exercises can be found. In addition, there are quizzes, puzzles and role-playing games gamified learning activities such as simulations motivate students, develop co-operation and language skills in a real environment can increase.

Conclusion



In summary, the methodological framework for using artificial intelligence in teaching students English includes aspects such as personalised learning, individual thinking and interactive learning. By using si technology, teachers can optimise language learning experiences, facilitate language acquisition and improve students' communicative skills in English. At the same time, AI integration of educational goals and principles of student-centred learning is very important to approach with a pedagogical framework that is prioritized. AI in development as teachers improve English language teaching as they go along innovative that utilises the full potential of technology they must be vigilant in exploring methodologies.

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