

Development of an English learning support application on a web platform integrating AI chatbot and Spaced Repetition algorithm.

Do Manh Quoc

Abstract: This topic focuses on developing a web-based English learning support application, integrating an AI chatbot to provide a personalized experience for learners. The context of the topic stems from the need to enhance the language skills of the modern learner community. The goal is to build an automated learning system, applying the Spaced Repetition algorithm to optimize the memorization of vocabulary and grammar. The research method combines theory with experimentation, including designing a user-friendly interface and developing a machine learning-based chatbot model. Through application testing, significant learning performance in the field of online English is expected to be achieved.

Keywords: Web application, AI Chatbot, Spaced Repetition, Automated learning, Learning support platform