Innovative Learning Material and Test Designs with ChatGPT

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The integration of artificial intelligence (AI) into educational practices is revolutionizing teaching methodologies and assessment strategies. This paper explores the utilization of ChatGPT, an advanced AI language model developed by OpenAI, to create dynamic learning materials and innovative test designs in language education. Our study is structured into two sections: theoretical aspects and practical applications of employing ChatGPT in language education.

In the theoretical section, we discuss ChatGPT's technical capabilities, emphasizing its ability to generate human-like text, which is crucial for creating context-rich educational content. Practical implementations include developing conversational exercises that simulate real-life interactions, thus better preparing students for practical language usage. Furthermore, the role of ChatGPT in test design is examined, demonstrating how AI can assist in creating diverse question types that align with learning objectives and cater to different proficiency levels.

In the practical section, we detail how ChatGPT is used to create tests with various types of questions that are appropriate for students' learning levels and the curriculum's goals. We illustrate how to to create dynamic learning materials effectively to meet curriculum requirements using ChatGPT and discuss how ChatGPT suppors teachers in assessing student performance.

Overall, this paper aims to provide educators and practitioners with a comprehensive understanding of how AI, particularly ChatGPT, can be seamlessly integrated into language education to enhance learning experiences and assess student performance effectively.

Key words: ChatGPT, learning materials, test designs

Primary author: Ms HOÀNG THỊ, Bích Huệ (participant)

Co-authors: Ms NGUYỄN THỊ, Thu Phượng (participant); VŨ, Việt Linh (participant)

Presenters: Ms HOÀNG THỊ, Bích Huệ (participant); Ms NGUYỄN THỊ, Thu Phượng (participant)

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