

## Review of: "Beyond Traditional Teaching: The Potential of Large Language Models and Chatbots in Graduate Engineering Education"

James C.L. Chow1

1 University Health Network

Potential competing interests: No potential competing interests to declare.

The paper titled "Beyond Traditional Teaching: The Potential of Large Language Models and Chatbots in Graduate Engineering Education" explores an exciting and timely topic in the realm of education and technology integration. This paper addresses the growing interest in leveraging large language models and chatbots to enhance graduate-level engineering education.

One of the key strengths of this paper is its recognition of the changing landscape of education, especially in the context of engineering programs. The authors rightly emphasize that traditional teaching methods may not fully meet the evolving needs of engineering students in the digital age. Large language models and chatbots, powered by artificial intelligence, offer a promising avenue to bridge this gap.

The paper provides a comprehensive review of the current state of educational technology and highlights the potential benefits of integrating these technologies into graduate engineering education. It discusses how large language models can assist in content delivery, personalized learning experiences, and even automating administrative tasks. Chatbots, on the other hand, can provide instant feedback, answer queries, and facilitate peer-to-peer interactions.

Furthermore, the paper touches upon the potential challenges and concerns associated with implementing such technologies, including privacy, ethical considerations, and the need for effective pedagogical strategies. This well-rounded approach to the topic adds depth to the discussion.

However, it is worth noting that the effectiveness of large language models and chatbots in education can vary based on factors like the quality of content, the adaptability of the technology to specific learning objectives, and the readiness of both educators and students to embrace these innovations. Therefore, future research should delve into these aspects to provide a more nuanced understanding.

Qeios ID: CY80XK · https://doi.org/10.32388/CY80XK