

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

Joan Vila-Francés¹

¹ Universidad de Valencia

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This article reviews and analyses the use of LLM and chatbots in education, according to the title. However, it only focuses on LLM-based chatbots. The paper is very detailed and explaining all the benefits and implications of using chatbots in graduate education, analysing how to use them and providing some examples (in the field of fluid mechanics).

Some issues regarding the article:

The authors state that the chatbots can be used for information retrieval (section 3.2), but this is very dangerous due to the possibility of hallucinations on the output.

When explaining the prompting strategies (section 4.2) the authors miss the zero/few-shot technique, which is very important also. Moreover, the authors do not provide any example of prompting using Chain-of-Thought technique, despite the fact they use it for the presented case study.

Nevertheless, the paper stands out for its precision and the insightful perspective it offers on the promising role of chatbots in graduate education. It does a commendable job of highlighting the potential benefits while responsibly acknowledging and addressing the precautions outlined in the article.