Chatbots in Education: The impact of Artificial Intelligence based ChatGPT on Teachers and Students

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Abstract – The assimilation of artificial intelligence into education is an inevitable phenomenon. Intelligent tools provide opportunities such as personalized instruction, automated assessment and, last but not least, teaching with virtual assistants or chatbots. Chatbots and other virtual assistants have been on the market for years and have been used for educational purposes on various Q&A platforms. ChatGPT, however, can be considered as an intellectual revolution of chatbots that have been released so far. ChatGPT has taken the concept of artificial intelligence to a new level and it was inevitable that it would make its debut in education. However, in schools, this level and relative novelty can bring not only benefits but also dangers. In this article, we discuss the potential of ChatGPT in the educational process. We look at the impact it can have on students, pointing out both the positives and the negatives. We then look at the opportunities for teachers. Finally, conclusions are drawn and suggestions are made as to the aspects that teachers and students need to adhere to in order to effectively implement ChatGPT in their everyday education.

Keywords – Artificial Intelligence, Education, Chatbots, ChatGPT, Future Education