
A Mantle of Chatbots in the Place of Pedagogy and Learning to Generate Tools to Provide Assistance using A-I



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Abstract

AI-based chatbots have recently come up as powerful tools across many domains, and their application in primary education is relatively new but fast-evolving. This research report will thus try and explore AI chatbots as a supporting tool for students in their assistance and guidance in the learning process. In modern digitalized pedagogical practices and modern learning environments using emerging technologies, AI chatbots unlock a way to even more personalized learning and student support. This paper introduces a brief explanation of how AI chatbots can actually help improve primary education through individual help and guidance to the students. This study, therefore, tends to look at the benefits of functionalities of AI chatbots and what they bring to the primary education system and, at the same time, the challenges or problems that it comes with, through reviewing literature from the past, case studies, and empirical evidence. Further, it discusses the possible implications of AI chatbots on the student learning outcomes, engagement, and general academic performance. One of the advantages available to the university is that the students would have eased access to learning material, academic staff, and NLP combined with machine learning algorithms helps a chatbot understand the queries of the student. Thus, it gives instant feedback to the student and provides learning resources in line with the style of learning of the said student. This approach personalizes the learning process, making it more inclusive and student-centered. It, therefore, responds to the diversity of the needs of learners in primary schools. Moreover, AI chatbots are tools of high value in supplementing teacher-student interactions.

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