

# Harnessing AI Chatbots in Higher Education for Innovative and Ethical Advancements in the Built Environment

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## SUMMARY

As artificial intelligence (AI) continues to revolutionize various sectors, higher education faces both unprecedented opportunities and challenges in maintaining academic integrity while leveraging the potential of AI technologies. This paper explores the introduction of AI chatbots in education, with a particular focus on the built environment fields. It is aimed at evaluating the robustness of AI chatbot integration while identifying the advantages and disadvantages it presents within higher education. The study addresses the pressing need for innovative, safe, and reliable deployment of AI chatbots in the academic landscape. It also provides valuable insights into recognizing content generated by AI chatbots, empowering educators to maintain academic integrity while embracing technological advancements. In an era where students can potentially exploit AI chatbots to engage in unethical practices during assessments, innovative means of examining students that mitigate the risk of AI-driven cheating are also proposed by examining alternative assessment methods. This paper not only outlines the transformative potential of AI chatbots in higher education but also serves as a guide for educators to navigate the evolving landscape, ensuring the ethical and effective use of AI technologies within the built environment fields. Ultimately, this paper advocates for a harmonious coexistence between traditional pedagogical methods and AI-driven innovations, fostering a dynamic and integrity-driven educational experience for all stakeholders in higher education.

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