

Safeguarding Ethics and Academic Integrity in the Age of Generative Artificial Intelligence: A Case Study on Plagiarism Prevention

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EXECUTIVE SUMMARY

This chapter examines the evolving challenges to academic integrity posed by the integration of generative artificial intelligence (AI) in higher education. Focusing on a case study of plagiarism prevention at a university, the chapter explores how AI's dual role as both a tool for enhancing research and a potential source of academic dishonesty necessitates a robust ethical framework. It discusses the importance of institutional support, advanced detection software, and continuous education on ethical research practices. By highlighting the collaboration between ethics committees, libraries, and research networks, the chapter underscores the need for universities to rigorously enforce academic integrity policies while adapting to the

rapidly changing digital landscape. Ultimately, this chapter provides insights into the balance required between leveraging AI's capabilities and preserving the core principles of academic honesty and originality in scholarly work.

INTRODUCTION

In the rapidly evolving landscape of higher education, the emergence of generative artificial intelligence (AI) presents both opportunities and challenges to maintaining academic integrity. As digital technologies continue to permeate academia, the traditional boundaries of ethical research and writing are being tested. This chapter delves into a case study of plagiarism prevention at a university, exploring the ethical implications of AI in academic practices. By examining the intersection of AI tools and academic integrity, the chapter aims to offer insights into the evolving strategies needed to uphold the values of honesty and originality in academic work amidst the growing influence of AI technologies.

It is highly imperative for the credibility and reliability of academic practice. Ethical research corroborates the findings of a given study and also substantiates the larger frame of academic integrity (Aita & Richer, 2005). All this academic ethos honesty, transparency, and productivity stand against academic deceit in any form. AI seems very transformative in bringing opportunities and challenges for academic integrity (Sullivan et al., 2023). This chapter attempts to deconstruct AI into research and writing to be carried out ethically. Plagiarism remains one of the major problems faced by students, professionals, educational institutions, and the publishing sector. Questions abound regarding how prevalent plagiarism is and how it can be prevented. People have varying views and definitions of plagiarism, especially in different parts of the world, including Africa, Asia, and Europe. While some consider it a criminal offense, others regard it as a professional mistake (AL Harrasi, 2023; Molnar & Jozsef, 2022). The rise in accessibility to information on the internet has only fueled the issue further, thus requiring that undergraduates, graduates, and faculty be given early-on orientation about what plagiarism are, its implications, and strategies of prevention. We should distinguish textual matching from broader concept theft and articulate the crime. The prevention tools available, and the consequences for offenders, must be defined.

OVERVIEW OF ACADEMIC INTEGRITY

Academic integrity encompasses the ethical principles and practices fundamental to teaching, research, and service within academic institutions. As defined

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