

Teaching with Algorithms, Learning with Care: Reimagining AI-Enhanced Pedagogy for Student Wellbeing in Higher Education

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The rapid integration of Artificial Intelligence (AI) into higher education is reshaping pedagogical practices, learning environments, and academic expectations. While AI-powered tools promise efficiency, personalization, and enhanced access to knowledge, their widespread adoption also raises important questions about student wellbeing, cognitive overload, and the evolving relationship between technology and human learning.

This paper explores how AI-integrated pedagogical models can be designed to support not only academic performance but also the psychological and emotional wellbeing of contemporary students. Drawing on recent developments in educational technology, responsible innovation frameworks, and wellbeing-centered pedagogy, the study examines how AI can be used as a supportive educational partner rather than a productivity-driven surveillance tool.

The research adopts a conceptual and interdisciplinary approach, bridging insights from digital pedagogy, educational psychology, and responsible AI governance. It proposes a framework for AI-enhanced wellbeing pedagogy, focusing on three interconnected dimensions: cognitive balance (reducing information overload and supporting meaningful learning), emotional resilience (promoting supportive feedback and reducing performance anxiety), and ethical agency (empowering students to critically engage with AI technologies).

By situating AI within the broader discourse of democratic and responsible bio-innovation, the paper argues that universities must rethink pedagogical strategies to ensure that technological innovation aligns with human-centered educational values. The proposed approach contributes to ongoing discussions about the role of educators in AI-mediated learning ecosystems and highlights the need for institutional strategies that place student wellbeing at the core of digital transformation in higher education.

This contribution aims to stimulate interdisciplinary dialogue on how AI can be responsibly integrated into pedagogical practices while safeguarding the wellbeing, autonomy, and intellectual development of the next generation of students.

Keywords: Artificial Intelligence in education, digital pedagogy, student wellbeing, responsible innovation, higher education transformation.

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