Digital Transformation in Higher Education, Part B

EMERALD STUDIES IN ACTIVE AND TRANSFORMATIVE LEARNING IN HIGHER EDUCATION

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Filling a significant gap in the body of knowledge related to the emerging agenda of active and transformative learning strategies, Emerald Studies in Active and Transformative Learning in Higher Education is a helpful resource for policy-makers, curriculum designers, and school leaders aiming to develop value-based strategies for promoting quality education with an emphasis on active and transformative learning techniques.

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Digital Transformation in Higher Education, Part A: Best Practices and Challenges
Edited by Miltiadis D. Lytras, Andreea Claudia Serban, Afnan Alkhaldi, Sawsan Malik, and Tahani Aldosemani

Digital Transformation in Higher Education, Part B: Cases, Examples and Good Practices

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INVESTOR IN PEOPLE

In recognition of the persistent advocates of academic excellence who navigate the complexities of the digital revolution in higher education, this volume acknowledges the significant impact of this transformation on the learning process. It highlights those who employ innovative technologies to enhance learning outcomes and the overall student experience. Our investigation into the profound consequences of artificial intelligence for education pays tribute to the dedication of scholars, practitioners, and learners who foster inclusive, forward-thinking academic communities guided by ethical principles. This endeavor is aimed at inspiring sustained excellence and innovative management in adapting to the ever-changing digital environment.

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About the Editors

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Preface

The first volume of this compendium laid the groundwork, exploring the philosophical underpinnings and the strategic frameworks essential for navigating the digital shift in higher education. It illuminated the paths that institutions might traverse to harness the potential of Artificial Intelligence and foster human-centric educational models.

In this second volume, we aim to provide a comprehensive exploration of the connection between digital transformation and higher education. Each chapter focuses on a specific aspect of this dynamic relationship, covering topics such as the impact of digital transformation on learning outcomes and student experiences, the role of emerging technologies in shaping inclusive internationalization efforts, and the ethical considerations surrounding the use of artificial intelligence tools in academic research (Lytras, 2023a). Through detailed analyses and case studies, this book offers insights into how professors, learners, and policymakers can use and improve the power of digital transformation to enhance research, teaching, and learning practices, prepare students for future challenges, and encourage innovation in higher education.

In the context of digital transformation in higher education, cooperation and competition emerge as dual forces driving innovation and improvement within academic institutions. Collaboration among universities, both locally and globally, encourages the sharing of resources, expertise, and best practices, with the final objective of increasing the quality of education processes and research (Aldosemani et al., 2019; Lytras & Vaz de Almeida, 2023). Constructive competition encourages institutions to strive for excellence, driving them to adopt innovative technologies and teaching methods to act as relevant players in an increasingly competitive landscape. This competition drives culture of innovation, encouraging institutions to explore new pedagogical approaches, integrate emerging technologies, and adapt to changing student needs (Aldosemani, 2023; Alkhaldi, 2022; Vasilescu et al., 2020).

As an essential part of our current society, digital transformation in higher education facilitates English language learning through interactive online platforms, multimedia resources, and virtual collaboration tools (Lytras, 2023b; Malik & Mantas, 2021; Sairete et al., 2021). This enables students and professors from diverse linguistic backgrounds to engage with English language content, communicate effectively across borders, and participate in international academic communities. The internet serves as a powerful enabler of collaboration and knowledge exchange within higher education across borders (Lytras et al., 2023).

Rapid advancements in technology and communication have led to the globalization of knowledge and research production and dissemination (Şerban et al., 2022a). Higher education institutions are increasingly interconnected, with trends, opportunities, and innovations emerging from various countries, influencing practices and policies on a global scale. Institutions must adapt to these global effects by embracing digital transformation initiatives that enhance their competitiveness, relevance, and capacity to address the evolving needs of students, professors, labor markets, and society as a whole (Alkhaldi et al., 2024; Sarirete et al., 2022; Şerban et al., 2022b).

In this volume, the narrative progresses, deepening the exploration of digital transformation with a focus on tangible impacts and the frontiers of teaching excellence.

- Digital Transformation for Learning Impact and Enhanced Student Experience: Investigating the pivotal role digital transformation plays in enriching the educational journey, enhancing both the impact of learning and the overall student experience.
- ChatGPT: Revolutionizing Lifelong Learning in Higher Education: Emphasizing on the transformative impact of AI-driven chatbots like ChatGPT on continuous education and lifelong learning processes.
- Pre-service Teachers' Digital Self-efficacy toward Education 5.0: A thorough literature review that unpacks the readiness and confidence of future educators in the digital-forward Education 5.0 landscape.
- Integrating Digital Transformation in Nursing Education: Detailing the incorporation of digital tools in nursing programs, outlining successful practices, and addressing the complexities faced in curricular innovation.
- Digital Transformation in Teaching and Learning of English in Higher Education: An exploration of how digital advances are reshaping the teaching and learning of the English language in academic settings.
- The Role of Emerging Technologies in Advancing Inclusive Internationalization in Higher Education: Highlighting how new technologies are crucial in creating a more inclusive and globally connected educational environment.
- Ethical Considerations for AI Tools in Academic Research and Manuscript Preparation: Offering a web content analysis on the ethical use of AI tools in academic research, framing guidelines and ethical considerations.
- Digital Transformation in Higher Education: A chapter that encapsulates and reflects the ongoing changes and adaptations in higher education driven by digital transformation.
- Transformative Learning for Future Higher Education: The AI-enabled Learning Revolution 2035: Projecting the future landscape of higher education as influenced by AI, this chapter forecasts the shape of transformative learning by the year 2035.

In Fig. 1, we provide a graphical overview and synopsis of the coverage of the second volume of our edition.
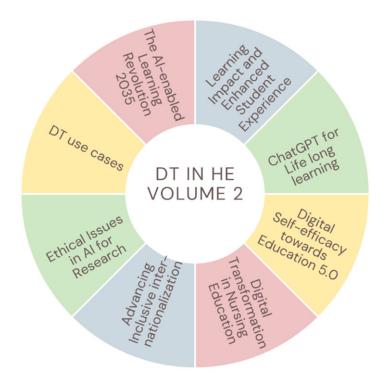
Fig. 1. A Snapshot of the DT Themes, Volume Coverage. *Source:* The authors.

The conclusion of this volume invites higher education institutions to embrace a comprehensive digital transformation and learning and teaching excellence strategy. It advocates for transcending the limitations of time and space through innovative modalities of instruction. We emphasize the promotion of team-based and active learning interventions, which are powered by technology and underscored by digital transformation initiatives.

As we project our sights to the future, it is imperative that these educational strategies not only adapt but thrive within a digital ecosystem of enhanced human capabilities for knowledge creation, dissemination, and utilization. The collaborative, developmental interventions discussed herein are not merely enhancements but essential pillars that uphold the integrity and efficacy of higher education. By embedding these practices, institutions will not only respond to the current digital imperatives but also cultivate an academic landscape that is resilient, inclusive, and dynamic, equipped to foster the next generation of learners, leaders, and innovators. It is about refocusing and redefining the objective of higher education as a game changer for the prosperity, peace, and well-being of humankind.

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