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Bionote

Having spent fourteen years being an academician in two universities in New Zealand, Sazali has now come home to his root and is presently the Accounting and Finance Program Leader in Universiti Brunei Darussalam. He graduated with a BSBA (Honours) from University of Hartford in 1991 and then obtained an MBA from Cardiff Business School in 1996. In December 2004, he obtained his PhD in Finance from Universiti Putra Malaysia. He has spent sixteen years in the corporate world, ultimately being the CEO of one of the largest unit trust management companies in Malaysia. He has also served as Director of thirteen companies including a subsidiary of The Islamic Development Bank that issued a AAA-rated RM1.0 billion Sukuk MTN

Digital Transformation of Teaching and Learning in Higher Education Institutions Towards Sustainable Environment

Abstract

The digital transformation of teaching and learning in higher education institutions represents a pivotal shift in educational paradigms, with profound implications for sustainability initiatives. This paper explores the intersection of digital transformation and sustainable development within the context of higher education, focusing on the potential of digital technologies to foster environmentally sustainable practices. Through a comprehensive review of relevant literature, this study examines the role of digital tools and platforms in enhancing teaching and learning processes while promoting sustainability objectives. Key themes explored include the integration of digital technologies in curriculum design, pedagogical approaches, and student engagement strategies to cultivate environmental literacy and foster sustainable behaviours. Furthermore, the paper investigates the challenges and opportunities associated with the digitalization of higher education in promoting environmental sustainability, considering issues such as digital equity, data privacy, and carbon footprint reduction. Drawing on empirical evidence, the paper identifies best practices and innovative approaches employed by higher education institutions to leverage digital transformation for sustainability goals. Finally, the paper offers recommendations for policymakers, educators, and stakeholders to advance the digital transformation of teaching and learning towards a more sustainable environment, emphasizing the importance of collaboration, innovation, and strategic planning in achieving collective sustainability objectives within higher education institutions.

Keywords: Digital transformation, teaching and learning, higher education, sustainable, environment.