

Revolutionising Higher Education:

The Role of Digital Transformation
in Accounting Education



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1. INTRODUCTION/ BACKGROUND

1.1 Strategies Shaping the Evolution of Accounting Businesses and Higher Education

1.2 Digital Tools and Technologies in Accounting Education

1.3 Challenges and Opportunities of Digital Transformation

Introduction

Digital disruption accelerated by COVID-19

Hybrid & online learning here to stay

Need for transformation in accounting education in HE Handoyo & Anas,2019



1.1

Strategies Shaping the Evolution of Accounting Businesses and Higher Education

Strategic Drivers shaping businesses:



Brynjolfsson&McAfee, 2017

Blockchain

Dimitropoulos, 2022; Fuller & Markelevich, 2020

AR/VR

Miller&Bailenson, 2020



Metaverse

Dhami & Zhu, 2024

Quantum computing

Memon, Al Ahmad &Pecht, 2024

IoT

Choudhary, 2024

The Evolving Landscape of Higher Education

STRATEGIES shaping the evolution of higher education

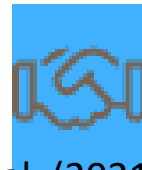
Digital Skill Integration - Akour, & Alenezi (2022); Sledgianowski, et al (2017)



Online Learning Platforms - Müller et al. (2023) Graham et al.(2013) Arens et al. (2019) Taylor, & Neimeyer (2016); Bowles et al (2020)



Industry Collaboration - Reyes Rios (2022)



Data-Driven Approaches - Clow (2013); Zhang et al. (2021); Wang (2019)



Focus on entrepreneurship - Lv et al. (2021)



Adaptive technologies - Kurt (2021); Albrecht & Sack (2000); Zhang et al. (2021); Evans, & Paisey (2018)

Soft skills development - Chamorro-Premuzic et al. (2010)



Globalization of education - Altbach (2016)





1.2

Digital Tools and Technologies in Accounting Education

Digital Tools Transforming Accounting Education



Cloud Solutions

Cohn (2018)

AI & Machine Learning

Slimi (2023); Shevchuk & Radelytskyy
(2024); Grabińska, et al. (2021)

Data Visualization

Li et al. (2021)



Virtual Learning

Davis and Davis (2019)



Desplebin, Lux, & Petit (2024); Pimentel, & Boulianne (2020)

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1.3

Challenges and Opportunities of Digital Transformation

Challenges



FACULTY RESISTANCE

Jones et al. (2018); Kee (2024)



CURRICULUM & TECH UPDATES



DIGITAL SKILL GAPS

Ma & Ruannakarn (2024) & Student
preparedness - Nwokike & Eya

Infrastructure Issues



RESOURCE
CONSTRAINTS

Ma & Ruannakarn (2024)



LIMITED ACCESS TO
NEW TECH



CYBERSECURITY
CONCERNS

Brabete et al. (2024)

Opportunities



Global collaboration

Kwon & Shin (2020); Kee (2024); Ma & Ruannakarn (2024)



Personalised learning/Enhanced learning experience

Khafit et al. (2020)



Increased access & flexibility

accessible Ma & Ruannakarn (2024), engaging Popa et al. (2024), and aligned with industry needs Kwon & Shin (2020); Theuri et al. (2024)

Real-World Applications

Practical

Improved Problem-Solving Skills - Pilav-Veli et al. (2021)



2. Methodology

Qualitative research

Literature review

To provide a qualitatively rich depiction of the phenomena under investigation, rather than focusing on the quantification of data (Hall, 2007; Maserumule, 2011; Baugh & Guion, 2016).



3. FINDINGS/CONCLUSION

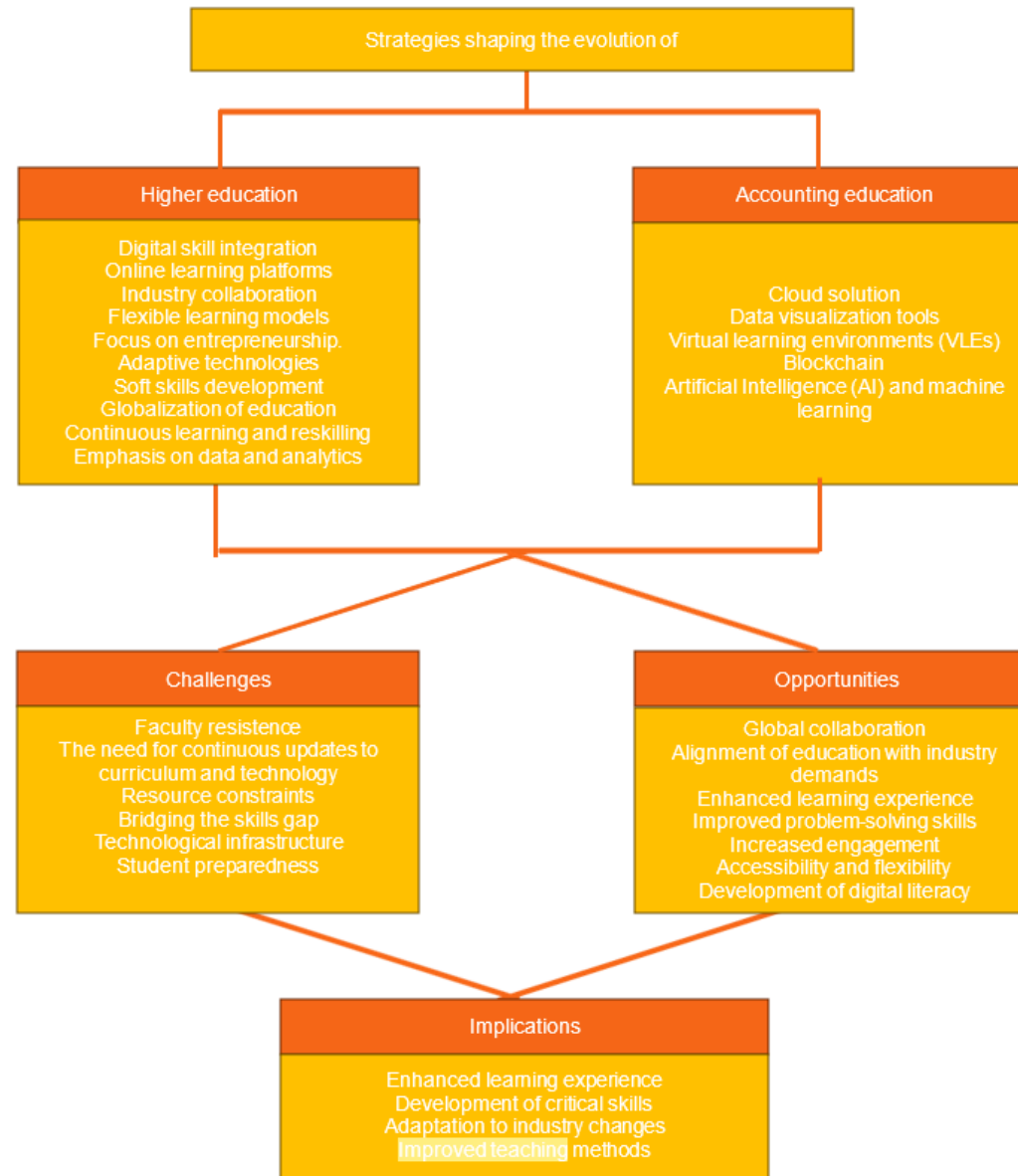


Fig 1. Digital transformation

Future Directions for Accounting Education



The future of accounting education will emphasize strategic thinking as AI handles routine tasks. Environmental, Social, and Governance (ESG) reporting will become increasingly important, requiring accountants to understand ethical standards and sustainability. Data analytics skills will be essential for uncovering patterns and making informed decisions in an increasingly complex financial landscape.

Recommendations

1

Curriculum Integration

Integrate advanced digital tools into accounting curricula to foster innovation and prepare students for technology-driven careers

2

Collaborative Approach

Foster collaboration between accounting businesses, educators, and curriculum developers to ensure relevant implementation

3

Practical Training

Provide hands-on workshops and certifications in accounting software to enhance students' confidence and competence

4

Ongoing Research

Continue research and collaboration to investigate the dynamic landscape of accounting education in the digital era

Digital transformation in accounting education requires a strategic, collaborative approach to prepare students for the future workplace. By embracing these changes and recommendations, higher education institutions can ensure graduates possess the necessary skills to excel in an increasingly digital and complex financial landscape.



Summary



Digital tools
revolutionise education



Prepare future-
ready accountants



Embrace change &
collaboration



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