

21ST CENTURY EDUCATIONAL TRANSFORMATION: INNOVATIONS AND CHALLENGES IN TEACHING AND LEARNING

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Abstract

Education in the 21st century is undergoing major changes. Advances in technology and the demands of a globalised world mean that the way we learn and teach must change. The research method in this study uses literature. The results show that today, many schools are starting to use technology in the classroom. Teachers are also changing the way they teach so that students are more active learners. Students need to learn new skills to succeed in the future. Despite the progress, there are still many challenges. Not all students have access to technology. Many teachers need training to use new methods. The curriculum also needs to be updated. To overcome these problems, all parties must work together. The government, schools, teachers and parents need to come together to make education better. With joint efforts, we can create an education system that is ready for the future.

Keywords: Transformation, 21st Century Education, Innovation, Challenges.

Introduction

The 21st century has brought significant changes in various aspects of life, including education. Rapid technological development, globalisation and changing socio-economic dynamics have created new demands on education systems around the world. The traditional education paradigm that focuses on knowledge transfer alone is no longer considered adequate to prepare learners for the complexities of the modern world. (Kennedy & Sundberg, 2020); (Sitopu et al., 2024); (Fawait et al., 2024).

The urgency of transforming education in the 21st century is undeniable given the drastic changes taking place in various aspects of life. The Industrial Revolution 4.0 has fundamentally changed the landscape of work, creating the need for new skills that were previously unimaginable. Automation and artificial intelligence have taken over many routine jobs, while new jobs that require creativity, critical thinking and high adaptability continue to emerge. In this context, traditional education systems that focus on rote memorisation and knowledge transfer are no longer adequate to prepare learners for the challenges of the modern world of work. (Syakhrani & Aslan, 2024)..