

## UTILIZATION OF INFORMATION AND COMMUNICATION TECHNOLOGY IN THE LEARNING PROCESS IN THE DIGITAL ERA

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### Abstract

This literature research aims to examine in depth the use of Information and Communication Technology (ICT) in the learning process in the digital era. With a focus on the integration of various digital tools and platforms in education, this research identifies how ICT can increase engagement, accessibility and personalization of learning. The methods used include surveys of educators and students, case analysis of classes that have implemented this technology, as well as a review of relevant literature. The research results show that ICT facilitates more flexible and adaptive learning, encourages more effective collaboration between students and teachers, and increases ease of access to learning materials from anywhere and at any time. Furthermore, these findings show that the use of informative and communicative technology helps in adapting learning material to individual student needs, thereby increasing learning effectiveness. This research concludes that ICT plays a crucial role in redefining educational methods, making them more relevant to the needs of today's digital era. Proper implementation of ICT in education not only improves the quality of learning but also prepares students with the skills necessary for the future in an increasingly technology-based world.

**Keywords:** Information Technology, Communication, Learning, Digital Era

### INTRODUCTION

In the current digital era, information and communication technology (ICT) has given birth to significant transformation in various sectors, including in the field of education. The use of ICT in the learning process is not only a necessity, but has developed into a new standard in an effort to increase the effectiveness and efficiency of the teaching and learning process (Mbangula, 2024). Considering the importance of ICT integration in education, this research aims to explore, analyze and identify various aspects of ICT use in the learning process in the digital era.

In the midst of developments that are greatly influenced by technological advances, the education sector is facing demands to integrate information and communication technology (ICT) in the learning process. This