

USAGE OF TECHNOLOGY IN TEACHING AND LEARNING MATERIALS AT MYANMAR SCHOOLS

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Abstract: The government Ministry of Education operates the educational system of Myanmar (also known as Burma). Due to nearly a century of British and Christian presences in Burma, the education system is based on the United Kingdom's system. "The first Government high school was founded by the British colonial administration in 1874. This Government High School was upgraded two years later and became University College, Rangoon. The Union of Myanmar is striving to promote national education standards according to our aphorism, "Building a Modern-developed Nation through Education". Education is the main form of the development of any modern nation. To reach the aim of education is expected to develop human resources which are essential for current society. The major thrust of the education part is not only quantitative expansion but also qualitative improvement as well. Nowadays, the world is rapidly changing. Society controls and changes people's minds. Today's era is a Globalization era. Besides, Globalization also impacts the curriculum, teachers, teaching methodology and assessments. The school focuses on the effects of finding teaching and learning technology materials in a global context in Myanmar. The objective is to investigate teaching and learning technology challenges at Myanmar schools. The reader can find teaching with global perspectives, the use of Information and Communication Technology in Myanmar Education, and the current place of assessment in Myanmar. The researcher hoped that the problem in this paper would benefit the reader. The use of technology has revolutionized the way educators approach teaching and learning. The benefactors are students, teachers, school administrators and parents.

Keywords: Society, Globalization, Teaching, Learning and Technology

Introduction

Technology's influence could change everything in a small piece of time. To develop national education, every educator and student has to know the usage of technology in teaching and learning materials at school (Ghory, 2021). In Myanmar most of the technology in teaching is increasing, as educators recognize the potential benefits it could bring to student engagement and academic achievement. With the help of educational technology, educators could personalize learning

experiences for their students and provide interactive, engaging content, and the use of technology has revolutionized the way educators approach teaching and learning (Dare, 2023). It has provided real-time feedback. Furthermore, technology allows educators to track student progress, identify areas of improvement, and tailor their teaching methods accordingly. By leveraging technology, educators could create a more dynamic and inclusive learning environment for their students (Akavova, 2023). Education provides all members of society with the skills, values, information, and attitudes needed to survive in an uncertain world. Technology gives students access to countless online resources, encouraging them to carry out research and therefore become more independent (Al-Shuaibi, 2014). It also simplifies learning by making concepts more digestible, for example through an instructional video and showing PowerPoint to see clearly (Nur, 2022). Education is a light that guides life. In Myanmar, some school opens online courses and technology reduces both the time and cost of teachers and also allows students to remain on top of their education by having permanent access to information, for example being able to check deadlines or emailing a teacher about queries that they may have at any time of the day. According to research, technology creates capabilities, flexibility and necessity.

Literature Review

The researcher has reviewed books and research articles. As aforementioned, people around the world are more connected with each other by using technology. The integration of technology in education has proven to be a game-changer in the way students learn, and teachers deliver instruction. With the constantly evolving landscape of educational technology, educators are presented with a set of options to effectively engage students and enhance their learning experiences.

Teaching and Learning

The utilization of interactive media tools, and online resources has opened up new avenues for educators to provide different learning styles and abilities within their classrooms. During covid-19 situation, students struggled to learn in school (Jackowiz, 2022). At that time, all the schools and universities closed according to the government announcement. A few weeks later, the head of the school and university announced to all the educators had to approach education online platforms because the education gap is absolutely important for the students (Leung & Sharma 2020). Platforms such as virtual classrooms and online discussion boards provide opportunities for students to interact with their peers, share ideas, and engage in meaningful discussions beyond the traditional classroom setting. In addition to personalized learning experiences, technology allows educators to instill critical thinking, problem-solving, and collaboration skills in students (Bayo, 2023). Moreover, the availability of digital resources and educational apps allows students to access learning materials at their own pace, fostering self-directed learning and independent exploration (Dahal, 2024).

Technology

The growth of technology usage in education has raised substantially and focused the importance of educational technology research. The researcher has considered the past and present research trends and suggested how to increase research evidence for informing instructional practices and policies to improve learning in schools (Gary & Morrison, 2010). Technology plays an important role in every sphere of life. Many complex and critical processes could be carried out with the help of modern technology (Raja & Nagasubramani, 2018).

School Education

School education is being exhorted to build a creative, well-informed, digitally capable society with flexible knowledge and skills (Ainley, 2010). The adoption of technology school education is occurring without an empirical understanding of the complex, dynamic relationship between these technologies and pedagogical systems in teaching and learning. It is important to learn from previous studies that have been conducted in the area and could help educators make more informed decisions (Aldunate, 2013)

Methodology

The researcher has used the qualitative method to analyze the objectives. The researcher has reviewed research articles and books to find out the technologies used in teaching and learning. Criteria such as checklists, reflexivity, sampling strategies, piloting, co-coding, member-checking and stakeholder involvement can be used to enhance and assess the quality of the research conducted. Using qualitative in addition to quantitative designs will equip us with better tools to address a greater range of research problems, and to fill in blind spots in current research and practice. The aim of this paper is to provide an overview of qualitative research methods, including hands-on information on how they can be used, reported and assessed.

Results

The researcher has reviewed research articles and books in order to find the usage of technology in teaching and learning. The keywords were teaching, learning, technologies and higher education.

Table 1: Reviewed Books and articles counting numbers.

Keywords	Research Articles	Books
Teaching	20	3
Learning	12	5
Technologies	25	4
School Education	34	3
Total number of books and articles	91	15

The researcher has reviewed 91 total number of research articles and 15 books. For the teaching part, the researcher has found 20 different research articles and 3 books and stated that how technology

is effecting to education. The number of research articles and books for learning is 12 research articles and 5 books. In the learning part, the researcher has technology training to be effectively used in the learning environment. In technology, the researcher has analysed 25 articles and 4 books. The author has found how technology has impacted different facets of life. The researcher has viewed 34 articles and 3 books for the last part of school education and reported that how excellent schools and effective schools share the characteristics of education. The number of books and research articles is shown in Table 1. The researcher has found that Myanmar has many developing nations and is facing challenges in terms of access to technology. Not all areas have reliable electricity, internet access, or the financial resources to acquire modern technology. This discussion focuses on how to overcome these barriers to integrate technology effectively into schools. For giving teacher technology training to be effectively used in the classroom, teachers need proper training. Training should include not only the technical know-how to operate devices and software but also pedagogical skills to integrate technology into their teaching in a way. To integrate the curriculum, technology must be seamlessly incorporated into the curriculum. This means updating lesson plans to include digital resources and ensuring that learning objectives can be enhanced in learning. Increasing the importance of digital skills for future employment, discussions around technology in education also focus on teaching students not only how to use technology, but also how to do it responsibly and safely. Implementing technology in schools requires monitoring its effect on teaching and learning.

The researcher has reviewed that technology is a gift of God. After the gift of life, it is perhaps the greatest of God's gifts. Technology has changed and it has impacted different facets of life. The importance of technology in schools can't be ignored. The incorporation of technology in teaching and learning in Myanmar schools presents many opportunities for enhancing education but requires thoughtful consideration of the challenges faced by the country's education system. Nowadays, ICT has the potential to increase access to education and improve the school's learning quality.

Excellent schools and effective schools share the characteristics of education. The main characteristics are higher student academic achievement and the status of government support. In school education, the aspect of school environment and school climate have been used to measure the characteristics of effective schools because this affect student achievement as well. Most literature on effective schools has something in common that is the professional principal is counted as one of the most important elements of the criteria.

Conclusions

The usage of technology in teaching and learning materials at Myanmar schools represents a significant step towards modernizing education and improving the learning system. Technology holds the potential to increase access to quality education and develop essential digital literacy skills among

students. However, the success of technology integration depends on addressing infrastructural challenges, providing adequate teacher training, ensuring curriculum alignment, maintaining equitable access, and implementing proper monitoring and evaluation systems. If these factors are addressed, technology can play a crucial role in enhancing the educational landscape of Myanmar, catering for the needs of learners and preparing students for the future. “The tool uses of technology are highly compatible with this new teacher role and change new method of teaching since they stimulate so much active mental work on the part of students.”

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