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Need of digital technology in teaching

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Abstract

Society is becoming more dependent on technology every day. As technology becomes more prevalent in the classroom, teachers need to learn how to use it effectively and efficiently. Few appropriate ways to use technology in the classroom to maintain standards for the teachers are differentiating instruction, facilitating learning, enhancing communication, and facilitating instruction. Once these types of technology are mastered, student performance, creativity, and thirst for knowledge should begin to increase. Nowadays, in the era of smart mobile phones, the children who are using smartphones etc. from the age of 2-3 years, then it becomes necessary that teach them using their favourite means. It is well known that what we see with our eyes, its effect remains on our brain for a long time therefore, learning can be made more convenient by using animation. For this reason it has become very necessary to use technology. Technology has made education more accessible. Those who leave their studies in the middle due to any reason, with the help of digital technology, they can continue their studies further, and apart from this, they can learn many different activities. This paper is brief about the need for digital technologies in education.

Keywords: education, student, technology, learning, covid-19

Introduction

Quality education is one of the fundamental components of the United Nations' 2030 Agenda for Sustainable Development. It aims to ensure inclusive and equitable quality education for all. Digital technologies have emerged as an essential tool to achieve this goal. These technologies have shown a powerful impact on the education system. The recent COVID-19 Pandemic has further institutionalised the applications of digital technologies in education. These digital technologies have made a paradigm shift and revolution in the entire education system. It is not only a knowledge provider but also a co-creator of information, a mentor and an evaluator. Technological improvements in education have made life easier for students. Instead of using contemporary pen and paper, students these days use various software and tools to create presentations and projects. When compared to a stack of notebooks, an iPad is relatively light and in comparison to a heavy book, an e-book is easy to surf through. These methods help in increasing interest in research. Information technology has emerged to disseminate shared knowledge and is a primary driving force behind education reforms. The introduction of new technology-assisted learning tools such as mobile devices, smartboards, MOOCs, tablets, laptops, simulations, dynamic visualisations, and virtual laboratories have altered education in schools and institutions. The Internet of Things (IoT) is www.dzarc.com/social

proven to be one of the most cost-effective methods of educating young brains. It is also a robust mechanism for integrating a world-class learning experience for everybody ^[1–3].

An increasing number of teachers and students use social media as an essential element of the overall e-learning experience. It is an important site for exchange of information about important topics these days.

Teachers should use technology to enhance their productivity and professional practice. Educators use technology to facilitate a variety of effective assessment and evaluation strategies. Now, not only are students being educated in using computers and other technological tools, but it is almost a requirement for most teachers to be proficient in that area. In addition to having adequate knowledge in their subject area and knowledge in the teaching field, technology and computers have become an integral part of a teacher's job requirements. To maintain standard is important for the advancement of technology in schools. The more the teacher's know about computers and technology; the more they can pass on to their students.

In the last 20 years technology has become the focal point of teaching and learning. Technology has given teachers the opportunity to take learning beyond the classroom and has Journal of Social Review and Development, 2024; Special 1:153-154

begun to reshape their role in the learning process. Traditional classroom has some shortcomings like providing an immediate learning environment, faster evaluations, and more engagement while digital learning tools fulfils these shortcomings.

The globalization of education has already necessitated the application of digital technologies. Online platforms were available for conducting classes, sharing resources, evaluation and managing day-to-day activities of educational institutions. However, the use of these platforms was active. The Covid-19 pandemic has forced institutes to adopt online teaching mode to keep the education system afloat. The developed countries were well prepared to deal with this crisis. However, developing countries worked hard to meet this requirement. Digital technologies have emerged as the saviour of education in this critical time [5-8].

Digital classrooms are defined as using electronic devices or platforms such as social media, multimedia and mobile phones to teach students. With digital technology in education, today's educational scenario has changed for the better or for the betterment. Digital learning is a learning strategy that uses technology to cover the entire curriculum and allows students to learn quicker and faster ^[9-11].

Conclusion

Digital technology in the classroom refers to the various software and gadgets that are meant to assist students with special access needs. One of the most effective ways to reduce the number of repetitive, time-consuming duties a teacher must perform is to use technology in the classroom. Educational technology applications can save a lot of time and energy by automating or partially automating day-to-day tasks such as attendance tracking and performance monitoring. Students are taught how to use technology responsibly and strategically, which can help them make decisions and develop selfdiscipline but this is the main challenge of using this technology. Technology in education can help students to prepare for lifelong learning. These technologies provide students with a virtual world and the freedom to access digital knowledge according to their learning styles. With the help of digital content production tools that optimize teaching and learning, students can study at their own pace. The digital classroom uses electronic devices and software to deliver instruction to students and incorporates technology into education. A traditional classroom is transformed into a digital classroom through computers and the Internet. Students can learn more efficiently and track their progress with the help of technology and sophisticated tools. In the days to come, these technologies will be successfully implemented in education to enhance the digital learning environment and performance of the students. There should be more studies regarding the health hazards effects of excessive use of digital technology. I believe that both digital technology as well as conventional pen and paper method both should use in classroom teaching.

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