International Journal of Information technology and Computer Engineering
ISSN: 2455-5290
Vol: 02, No. 04, June-July 2022
http://journal.hmjournals.com/index.php/IJITC
DOI: https://doi.org/10.55529/ijitc24.1.5

Effect of Information Technology on Education

Muzamil Hussain AL Hussaini*

** PhD Scholar Qurtuba University, Pakistan*

*Corresponding Email: *muzamilqurtuba@gmail.com*

Received: 22 March 2022 **Accepted:** 04 June 2022 **Published:** 02 July 2022

Abstract: In some places of the world, access to education used to be limited. There were still many difficulties in distributing education to the general populace, even in countries where it existed. Education is now more widely accessible than it ever was because to numerous information technology advancements. Education has been significantly improved by inventions like the online classroom, and it is expanding daily all around the world. You can see how important information technology has grown in the realm of education by understanding how it has aided in education and the actual impact this created.

1. INTRODUCTION

As information technology develops, there are numerous uses for it in various fields. The same applies to education. The world of education in the twenty-first century has transformed as a result of numerous technological developments. Understanding these developments and how they affect education globally can highlight how crucial information technology is to education. It will be demonstrated how these various information technology applications in the classroom have a significant impact on students' general education worldwide.

Available Online Laboratories

When it comes to information technology and education, this is frequently one of the first things people consider. This has been done in a variety of methods at various levels of education. Children can enrol in online courses while still enrolled in school to gain extra credit. Children can even attend online schools from the comfort of their own homes. However, the impact of this technological development goes beyond the grade school level. Almost any college course that a person could desire to take today can be taken online. Today, many people obtain their degrees online. In reality, University of Phoenix awarded 6,000 online degrees in 2011. When compared to other colleges, this is enormous. For instance,

Copyright The Author(s) 2022.This is an Open Access Article distributed under the CC BY license. (http://creativecommons.org/licenses/by/4.0/)

International Journal of Information technology and Computer Engineering
ISSN: 2455-5290
Vol: 02, No. 04, June-July 2022
http://journal.hmjournals.com/index.php/IJITC
DOI: https://doi.org/10.55529/ijitc24.1.5

despite having a large student body, Arizona State University only conferred 2, 075 degrees that year, all of which were earned on-campus.

For many people, this is now the best approach to pursue their education. These people find that this type of schooling is better suited to their circumstances, especially single parents and people who must work and attend school. This is so that it can be conveniently accommodated to the student's schedule. Even though there are occasions when a student may need to be online—for example, during mandated online discussion boards, tests, or the submission of an assignment—in general, it is simpler to fit online learning into one's schedule than driving to a classroom at a set time.

Students who struggle with particular conditions, such as focus problems or hearing impairment, may find an online course to their advantage. This is because when someone is viewing a prepared lecture, they have the choice to rewind and see and hear the content again, however during a physical class, they may not be able to ask the teacher to repeat themselves or may not have the opportunity. This can aid in their learning the lesson, which is the main objective.

Online Laboratories Impacts

Global classrooms are being created as a result of the widespread usage of online learning. This may make it easier for children in developing and third-world nations to access the education they require. Even while there are still fewer students enrolled in these schools than in America, the number is steadily increasing. In fact, student enrollment in Russia increased by 230% in January 2013.

More than simply formal education can be found in global classrooms. There are websites that provide classes that might aid in educating people. Even if this is just a straightforward matter of internet safety or something similar, it is still important to be aware of. People may benefit from having greater information and understanding as a result, which will aid them in their daily lives.

There are still certain challenges that the online classroom faces in other nations. The fact that most classes are still taught in English is one of the main problems. While some students may speak English, not all do, which may disadvantage some students. Many online universities collaborate with translators and are gradually translating their curricula so that users from all around the world can access them.

The Tablet in Place of Text Books

Several schools have started using iPads in the classroom instead of textbooks. Bhakkar High School is an example of a school. The high school switched for the first time four years ago, and the outcomes were fantastic. For instance, there was a huge decrease in the price of the books. This is due to the fact that the Kindles the school utilizes only cost around $70, which is less than what one text book might cost.

The school discovered that every student now had access to the internet, something they might

Copyright The Author(s) 2022.This is an Open Access Article distributed under the CC BY license. (http://creativecommons.org/licenses/by/4.0/)

International Journal of Information technology and Computer Engineering
ISSN: 2455-5290
Vol: 02, No. 04, June-July 2022
http://journal.hmjournals.com/index.php/IJITC
DOI: https://doi.org/10.55529/ijitc24.1.5

not have had at home, as well as the convenience of carrying their textbooks with them wherever they went. They discovered that in the first year after the Kindles were introduced, student test results increased by 18%. With just a touch of their finger, students may see their homework assignments, finish their work, read their textbooks, and do much more.

Since their first debut, tablets have become more affordable every year. There are several models available that may be bought for under $100, despite the fact that some top-of-the-line ones cost several hundred dollars. This may make these gadgets more accessible to students who want to use them as their own educational resources as well as schools with limited funding.

Rising Consequence of Tablets in Schoolroom

Tablets have a lot more to offer than just serving as a superb source of textbooks in the classroom. According to a poll of 150 instructors conducted during the 2012–2013 academic year, 87% of them said that the tablets significantly improved the learning environment.

The usage of specific apps on tablets is one way they can be useful in the classroom. There are apps that are instructive on a variety of levels. There are apps available that can help toddlers and kindergarteners learn their ABCs, sight words, and addition facts. There are also apps like SAT Math that are made to work with the student both in and out of the classroom. Schools that take part in the programme will sign up students and email parents the registration details along with directions for finding and downloading the app.

Math problems that are appropriate for the students will help them develop their mathematical abilities. Additionally, the app monitors the student's development so they can see their advancement.

With a tablet, students will have access to a variety of information at the touch of a button. This is so that students can use the internet while they are out and about. Tablets are built with Wi-Fi capability. Even in the classroom, a student can use Google to quickly obtain the solution they need. Additionally, students can use the internet to further their grasp of the material taught to them in class. They can study the universe on the same day that they utilize Google Earth to better grasp the topography in various places of the earth.

Lines on a SMART Board

The white board is frequently mentioned as the most important teaching tool by many individuals. This is so that the teacher may instruct the class visually while covering a certain subject. It is crucial because different people learn in various ways, and doing so can help students gain a deeper comprehension of the material that will stick with them. The white board will never be the same when the SMART Board was introduced.

The data on a synchronized computer is projected to the white board in the classroom via the SMART Board using a digital projector. All educational levels, from preschool to graduate classes, now make use of this. It may have a variety of effects on the classroom.

Copyright The Author(s) 2022.This is an Open Access Article distributed under the CC BY license. (http://creativecommons.org/licenses/by/4.0/)

International Journal of Information technology and Computer Engineering
ISSN: 2455-5290
Vol: 02, No. 04, June-July 2022
http://journal.hmjournals.com/index.php/IJITC
DOI: https://doi.org/10.55529/ijitc24.1.5

The kids' learning experience is enriched when these boards are used. On their laptops, teachers can use materials that were previously unheard of while they are teaching. Even something as basic as seeing films on a subject or having access to images linked to it can have a big impact on how well pupils comprehend the lesson being taught. It has even been demonstrated to be quite beneficial for kids with special difficulties.

Texting and Instant Messaging

While texting in class may be discouraged, there is a significant advantage it can offer for the educational process. The kid may be able to speak with teachers and other pupils in person as a result. This may enable students to comprehend the subject matter more fully. Even questions that students were previously afraid to ask in class are now acceptable.

This can be done in a variety of ways. The majority of institutions who provide this do so via a service that allows students to have private access. This makes it easier to maintain the chat rooms' academic focus. If a student doesn't feel comfortable asking a question in a public setting, they may be able to do so privately and directly to teachers.

Depending on where the school is, the teachers' participation on these sites varies greatly. Some schools don't demand faculty participation, which can result in less favorable outcomes than those where teachers must spend a set amount of time online with the students. Along with enhancing their understanding, it can also make them feel closer to and more trusting of the school's faculty as teachers.

Workstations role

For the majority of the globe, computers have become a need. even in developing nations. Many people have begun using computers to enhance education. Computers in the classroom have a significant impact.

Due to society's increasing reliance on computers for basic tasks, students will have the opportunity to improve their computer literacy. People should be able to navigate the internet and comprehend the fundamentals of computers. There will be variable degrees of computer necessity depending on the student's job route, though.

Students can play games that can aid in their lesson learning. In fact, a lot of educational games are so entertaining for kids that they are not even aware they are learning as they play. There are games that can support this and enhance mental sharpness, which can be really beneficial when it comes to learning.

Betting and the Influence on Tutoring

Virtual reality and video games are often associated with relaxation and leisure time. However, the fact remains that they are also useful in the classroom. For anyone considering a career in digital and video game programming, they are crucial. But this information technology's reach extends far beyond. Virtual reality games are available that can teach people technical skills. One of the best examples of this is surgical students playing virtual games. They can gain the experience they need to perform surgery on a live patient by practicing in a virtual environment.

Copyright The Author(s) 2022.This is an Open Access Article distributed under the CC BY license. (http://creativecommons.org/licenses/by/4.0/)

International Journal of Information technology and Computer Engineering
ISSN: 2455-5290
Vol: 02, No. 04, June-July 2022
http://journal.hmjournals.com/index.php/IJITC
DOI: https://doi.org/10.55529/ijitc24.1.5

2. CONCLUSION

The fact that information technology is ever-evolving is one of its best features. The impact of information technology on education will evolve along with it. For example, schools began providing more computers in the classrooms in the late 1990s, and this was the only information technology they had. Almost anything that can be done in a classroom nowadays can be done electronically. This can simplify learning, grades, and the majority of class activities. Although North America and Europe are where this effect is most noticeable, information technology has an impact everywhere.

3. REFERENCES

1. http://usatoday30.usatoday.com/news/education/story/2012-08-07/online-teaching-degrees/56849026/1
2. http://edition.cnn.com/2013/06/21/business/opinion-koller-education-petersburg-forum/
3. http://www.tampabay.com/news/education/k12/kindle-e-readers-have-had-big-effect-at- clearwater-high/1269193
4. http://phys.org/news/2013-06-digital-tablets-classroom.html
5. https://play.google.com/store/apps/details?id=com.honeheadsat
6. http://www.waukeshaschools.com/WIT/smartBoard/benefits.htm
7. http://www.nssa.us/journals/2007-27-2/2007-27-2-14.htm
8. http://www.ncbi.nlm.nih.gov/pubmed/10896371

Copyright The Author(s) 2022.This is an Open Access Article distributed under the CC BY license. (http://creativecommons.org/licenses/by/4.0/)