



IMPACT OF DIGITAL TECHNOLOGY ON EDUCATION

Education

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ABSTRACT

Today technology plays a very important role in our life. It is seen as a basis of growth of an economy. An economy which is poor in technology can never grow in today's scenario. Because technology makes our work much easier and less time-consuming. The impact of technology can be felt in every possible field one such field is Education. The transfer of knowledge becomes very easy and convenient, as well as effective. What this means is, that our minds now tend to work faster when assisted with the use of modern technology, be it any part of life, here we talk about education. E-learning is becoming increasingly prevalent as the use of the Internet grows. People have begun to use the Internet as a means of accessing information. Because E-Learning improves the accessibility of study material, and the cost of accessing information online is decreasing due to advancements in the field of information and communication technology, the corporate sector that previously provided distance education has begun to include online learning as an additional activity in their distance education.

KEYWORDS

Digital education, Rural Area , Digital learning class

INTRODUCTION

Today's culture wants to know what's going on in the global as it happens, and the world is shifting from an information to a knowledge society. As a result, education is given top importance, and human capital is becoming an organization's most important resource e-learning process is a computer-based web-based technology we have to use a e-mail, different social media app for chatting and etc. Digital technology education is a tool for learning which involve technology and digital devices. E-learning is a educational practical based high and less a theoretical based technologies. ICT is a refers to all communication technologies, including the internet, wireless networks, cell phones, computers, software, middleware, video-conferencing, social networking, and other media is a very helpful to a learn a student in education. Now days a digital technology is a very use rural area after a covid pandemic. Every collages are a teaching student in online platform and not even collages but school are a also a use in a digital learning platform. digital learning is a tool include audio video style, e-mail, virtual meeting & etc.

The ability to access information and resources with ease is the most important feature of E-Learning. It refers to the ability to access and use information and resources at one's leisure at any time, location, or pace. Also, information and communication technology allow us to gather, store, and share data in the form of text, photos, and graphics, as well as multimedia-based simulations of basic and complicated processes that are inexpensively available.

Different platform for digital platform

1) Media for Explicit Knowledge

Different mediums might be used to express explicit knowledge. The mediums used to depict them are text, graphics, animation, sound, and video. Information kept digitally, unlike information stored conventional in media such as books, can be preserved without distortion and accessible simply and swiftly from anywhere in the world.

2) Text

One of the most effective ways to express information is through text. The words embodied as text provide a strong message, and this has been commonly employed in handwritten and printed media. This media is used to represent the majority of facts and information. Without words, it is hard to deliver a clear message. A message should be distinct, definite, concrete, and exact in order to be successful. For readability and aesthetic impact, choosing appropriate typefaces and sizes is critical.

When it comes to learning, the summarised text is utilised to highlight key ideas, while full descriptions are used for explanations and additional reading.

3) Sound

Sound is used in all types of spoken communication. Sound has been

sent throughout the cosmos via technology. The major focus in transmitting information has been the teacher's voice. Computers can represent sound, and the two most common file types used in multimedia systems are MIDI (Musical Instrument Digital Interface) and digital audio. Speech, music, and unique sound effects are all required in a multimedia system. Speech should be brief, controllable, and connected with other media when utilized for educational purposes. It should be used in conjunction with the text.

4) Video

When utilized over a network, the video takes up the greatest disc space and bandwidth. As a result, video can only be merged with other media through the use of edited segmented video snippets, each of which conveys a distinct message.

5) Internet

The Internet serves as a low-cost worldwide network backbone. It links users from wherever they have access to the internet. Users may now host information on their PCs and make it accessible to others. Users will be looking for information at different times, thus such machines must be devoted to that purpose. These sites are known as websites, and they are connected to the internet 24 hours a day, seven days a week. This technology aims to give unlimited information access. Through their websites, educational institutions will disclose any information that is useful to the general audience. This technology has made information available in real-time, allowing individuals to access it whenever they choose.

6) E-mail

E-mail provides for asynchronous knowledge transfer. By sending a message to a group of individuals, a person might share information with a community. The use of a distribution list eliminates the need for everyone to know the community's names while simultaneously ensuring that everyone receives the message.

7) Video Conferencing

The telephone enabled vocal contact between people who were physically separated. This has developed to include not just viewing a live video of the individual but also connecting with multiple people. Despite the technology's high expense, it has been utilised for organised meetings with individuals from all over the world. Staff meetings at universities with campuses spread over greater geographical areas are held using this technology. Individual journey time is reduced as a result of this. In the long term, the organisation and society will gain from the time saved and employed productively.

This technology is also used in the classroom at several universities. Students ask questions by using technology to send them to the teacher. Such systems need that each student have their own computer that can receive and communicate with the system. At Malaysia's Multimedia University, we saw such technology in action. Although video conferencing facilities are accessible in universities such as Colombo,

Moratuwa, Peradeniya, and Ruhuna, they are not used on a regular basis. However, this venue has previously been used for a number of events involving these universities, as well as several local and international institutions. Other locations, such as a distant learning centre, have video conferencing capabilities.

8) Virtual Meeting:

Virtual meetings connect people from all over the world to conduct meetings and share information as if they were all in the same room. Real-time sharing is possible for applications like presentation graphics, spreadsheets, and word processing.

Technology has yet to be adopted by educational institutions created to disseminate knowledge. They should be used on a regular basis by universities and technical education centres. Computers, like radio and television, have become a daily tool in developed countries..

Over the course of a decade, the internet has increased in importance numerous times. Its significance in the field of education cannot be overstated at this point. Despite the risks of fraud and other disadvantages, kids find that using the internet is a boon. The internet is now integrated into practically all of our daily activities. The internet is absolutely everywhere, from our televisions to our game consoles to our cell phones. Students can find information through the internet. Students may discover a lot of aid, tutorials, and other forms of helping material on the internet, which they can utilize to academically develop and improve their learning.

9) Digital cameras

Educators can use projectors, mind training software, computers, PowerPoint presentations, and 3D visualization tools to help students absorb information rapidly.

It is critical to remember that visual explanations of issues engage children in learning. They are able to participate more actively in class, and teachers are able to provide more dynamic and interesting courses. Writing abilities have been deteriorating. As a result of their heavy use of online chatting and shortcuts, today's youth's writing talents have decreased drastically.

Children nowadays have become so dependent on digital communication that they have entirely failed to enhance their writing skills.

• E-learning app:

- 1) **Google classroom:** The intersection between teaching and learning Google Classroom is a source for all things educational and instructional.
- 2) Educators can monitor, measure, and expand learning activities with our simple and secure platform. Bring all of your learning resources together in one place and manage many classes from a single location.
- 3) A classroom can be set up and used by everyone in your college community in minutes.
- 4) Work on the same page with the entire class at the same time, or use Google Meet to connect face-to-face.
- 5) Give your class greater freedom and mobility by allowing them to teach and learn from anywhere, on any device.
- 6) With only a few clicks, you may go from class to task to student.
- 7) In your grade book, keep track of student progress and export grades to your school's student information system (SIS)
- 8) With rubrics shown alongside student work, keep grading uniform and visible.
- 9) Organize commonly used phrases in a comment bank that you can customize. Prepare projects, assignments, and tests for many classes and schedule them.

2) Google meet: Secure video meetings for your company or enroll in a course. Keep your team connected with Google's enterprise-grade video conferencing, which is built on the company's reliable and secure worldwide infrastructure. Google Workspace and Google Workspace for Education both integrate Meet.

• Its two-impact positive and negative

- 1) **Positive impact:** Digital learning is a replacing traditional education workings more and more every day. It's also a time & money saving. Its use an anyplace anytime. If rural student used e-learning literacy ration can be increase. It can help them personalize their learning. It is important to recognise that visual explanations of topics

make learning more engaging for student. They are able to participate more actively in class, and professors have the opportunity to make their lessons more dynamic and engaging.

2) Negative impact: Not all students use a digital learning technology device in right way. Most of student use it play game, chatting on social media app, playing music and other kind of activity doing a in the middle of learning session. E-learning is a affect to a practical subject like a statistic sum, maths etc. are student a habit for blackboard working so online learning in practical subject to make difficult to a understand for student. Student writing skill are also affected.

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