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The impact of modern technology in the teaching with learning process

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Abstract

The development of technology has had control over all divisions of our existence. In reality, technology has turned out to be an important element of satisfying development, and its integration into education is subsequently necessary. Technology does not simply give learners entrance to an overabundance of online equipment. The common of colleges along with educational organizations have previously begun to use technology in their teaching and learning methods. This research paper provides a thorough on the consequences as well as the impact of modern technology on teaching and learning development by reviewing different secondary data. Education has been transformed by scientific progression. The consequence of technology in classrooms cannot be overstated. The beginning of computers in education has through it simpler for teachers to transfer information along with for pupils to regain it. The combination of technology in the education ecological unit has made the learning processes supplementary pleasurable.

Keywords: Technology impact, learning, teaching process, education

Introduction

The twenty-first century is frequently seen as a technological era. Nowadays, technology is particularly very important in our lives. It is seen as the substratum upon which an economy's improvement is constructed. In the current era, an activity that is not technologically advanced would for no reason develop. This is because knowledge has made our work considerably easier and less time-consuming. Technology has a force on all sectors, one of which is education.

With the extensive acceptance of modern digital knowledge, in sequence statement technologies, network technologies, digital picture making, along with other technologies, in addition to the general use of numerous technological innovations in existence and learning, in sequence technology has altered people's learning - teaching style and has had a significant consequence on teaching in all areas. Educational technology is a methodical and organized process of applying contemporary technology to advance the superiority of education. It is a classroom; students are commonly overwhelmed with in sequence that they must rapidly take in and make wisdom of.

Several developing nations have traditionally made important charities for the improvement of science along technology, with several serving as the support of human society. Numerous initiatives aim to support pre-college students' acquaintance, enthusiasm, moreover appointment in scientific with technical subjects. It has facilitated learning by manufacturing ideas further digestible, such as through the use of an instructional film. It is essential to identify that many learning styles subsist, and that pattern schooling may not be competent to accommodate them every. The improvement of technology in education is its simplicity and accessibility has an authority on and profits both the learner and the instructor. A teacher, for example, might invite students to include an online question that provides fast feedback, saving the instructor time that would otherwise be spent grading and reviewing each work. Technology saves instructors' time and money while also allowing students to stay on top of their education by providing steady access in sequence, such as checking deadlines or emailing a teacher with questions several times of day.

Technological improvements, like the Internet, open up Latest Avenue designed for education with learning at all educational accomplishments.

Several colleges are currently working to combine satisfactory technology into institutional classes. Many colleges are currently making a determined attempt to include suitable technology in their teaching and learning performance.

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One reason for the classroom convention of technology is to train students to get together with the demands of employment seekers. To ensure the success of our study developed dissimilar research questions that support readers to learn as regards the implications and consequences of technology on educational environments. This study will provide suitable answers to the following questions.

Research questions

How technologies manipulate the learning process?

These questions aim to illustrate the significance and compensation of technology on learning procedure.

Will technology support pupils in philosophy significantly?

These questions encourage students to appoint with technology and make obtainable inventive solutions to precise effort.

How will technology facilitate students to take indict of their own education?

Students' uses technologies do not have need of an individual guide to guide along with educate them. The technologies itself enable kids to study along with find out.

Motivation

Technology plays a significant part in approximately every element of life at present. The education surroundings have witnessed enormous improvements in advantages as a result of incorporating technology into its syllabus. The reason for this study is to find out the most important effect of technology on supporting educational progression via the service of different cutting-edge technologies.

Education and modern technologies

The purpose of technology in characteristic educational surroundings is to improve the education of familiarity as well as skills via improved competence and efficiency. Appearance competence refers to the rate at which humans obtain information, whereas expression efficiency refers to the calculation of specified associates that are operationally learned. When knowledge is used directly in learning surroundings, such as a school, together students with teachers can be considered as learners. Thus, technology may suppose that any improvement in trainer knowledge and use results in superior student learning. Technology should be used to move student realization in classrooms. According to the most recent insights into current students' want to use knowledge and technology impact their learning, it was discovered that when students make use of current equipment, technology, and tools, their learning and communication increase. Technologies have found it far more attractive and entertaining when supported by knowledge. Awareness transfer becomes enormously easy, suitable, and successful. This suggests that our minds currently perform more economically when aided by modern technology in any aspect of life.

The dependence with reliance on such a novelty, which only makes existence easier and more enjoyable, is now completely inescapable at classrooms, institutions, as well as campuses. The confirmation presented by the detractors complicate the situation. The traditional quarrel that

teachers resist technology since it is unproductive posits those computers are about as successful at impart information as movies or educational broadcast. Computers should be welcomed by educator to the degree that they be different from established technology. Indeed, research on teacher confrontation indicates that many teachers' rejection to use computers is a result of a lack of resources following teacher technology use, not a Radical estimation in the ineffectiveness of knowledge the analyzed data from one of the biggest studies of teacher technology use to date.

Becker reported that immediately one in every six teachers used computers often in the classroom, and of those who did, the commonly used them mostly for drilling and practice, avoiding more composite applications. The primary motive teachers are frightened of technology is the need for computer literacy. Thus, teacher confrontation with computer use is not impossible; instructors only need to be qualified and encouraged before they feel complete to make use of them.

Moreover, detractors challenge that computer-assisted teaching studies make obvious that computers are less charge efficient than tutoring and that technology-based education weakens the cognitive, communal mechanism of learning. Regarding the social proportions of learning, the boundaries of CAI research have formerly been explored. All that is to be mentioned is that the influence of computers on learning is party upon their make use. Technology has entirely replaced human contact and risks the deterioration of the social aspects of teaching and learning. At present, the argument over the usefulness of knowledge appears to be unresolved, separation politicians doubtful about employing technology.

Application of technology

- The internet's significance has expanded by an aspect of 15 throughout the earlier decade. Its significance in the field of learning cannot be stressed at this indicate. Despite the dangers of deception and drawbacks, pupils advantage from utilize the internet. The internet has permeated almost every facet of our life in the current day. The World Wide Web is all approximately us, from televisions to betting consoles to our smart phones. Pupils may discover wonderful convenience when they use the internet; they may right of entry a diversity of aid, tutorials, and other sorts of following information that they may use to cognitively carry on expanding their sympathetic.
- Leading universities universally today rely on wonderful PowerPoint presentations along with projection to make learning attractive and moving. Within schools along with colleges, the convention of technology such as projectors may appreciably increase appointment and appointment, with motivation. Students want to analyze visually appealing objects and anything that encourages them to think quite than simply reading text. When it comes to technology, the learning process becomes relatively capable as well.
- When it comes to digital and education, the saturation of digital media in the education segment has increased in current years. This penetration has resulted in permanent communication with students and the accessibility of many forums for a variety of types of tasks or support. As digital technology advances, there are and will be more applications that aid kids in

their expansion along with learning.

Features impacting educational technology

Each one talks concerning the huge problem teacher's face in our society as in order expands at a quick rapidity. Teachers must learn to include present technologies into their teaching. These original technologies raise the command for teacher training. Teachers have attitudes concerning computers are important to the effective use of Information Communication Technology in education. They have emphasized that instructors do not forever have a favourable approach toward computers, and that their unconstructive views may make a payment to the malfunction of computer-based programs.

The most often reported impediments are list in Fig.1

The instructive impact of information technology

ICT can enlarge admission to education even as also increasing its significance and superiority. ICT has a thoughtful consequence on education in terms of acquaintance achievement and absorption for together instructors as well as learners. Dynamic learning and informational technologies make the computing and understanding of test data, with student presentation reports, that are all digitized and without difficulty available for examination. Information technologies enhance reading understanding by allowing pupils to want what they want to study at their rapidity and think about real-world struggles.

ICT promotes contact with and relationships among students and teachers apart from their ecological location. It allows students to act together with individuals from numerous cultures along with working in groups that help students enlarge their conversational skills with global awareness. The utilization of ICT often results in increased association among learners similarly inside and outside of school, with supplementary interactive contact among students along with teachers. Cooperation is an interpersonal attitude and individual way of life in that leader take possession of their actions and includes becoming attentive to and recognizing their counterparts' skills and activities.

Information Technology supports the alteration of pre-existing data and the creation of one's knowledge to generate a concrete product or to accomplish a specific educational goal. Holistic learning: In contrast to the conventional classroom, where the focus is on a single aspect, information technology promotes an integrative approach to teaching and learning by reducing the synthetic boundary between theory and practice. Judgmental learning: The educational application of information technology is student centered and provides meaningful feedback through a range of interactive features. Instead of regurgitation and rote learning, information technology helps students to investigate and learn in innovative ways that are supported by postmodern theories of learning.

The positive impact

- Technological advancements such as digital cameras, projectors, intellect training software, laptops, and PowerPoint presentations, along with 3D apparition tools have all become expensive tools for instructors in assisting pupils in rapidly grasping a theme.
- It must be realized that optical explanations of topics appoint pupils and construct learning supplementary

interesting. They are capable of contributing more dynamically in class, and professors have the opening to make their lessons more dynamic along engaging.

- With the appearance of online degree programs, students are no longer required to be present in class. Different overseas institutions have begun providing students the alternative of enrolling in online amount programs.

Negative consequences

- As a result of widespread use of internet discussion and shortcuts, the writing ability of today's youth has deteriorated extensively.
- Youngsters rely so greatly on digital communication that they have finally forgotten to progress their writing ability.

Benefits

- It amplifies pupils' inspiration to be trained.
- Provide students with confused schedules with the prospect to work from home on their own Time table.
- Teach pupils new digital ability that they may be appropriate in the place of work afterwards.

Conclusion and future work

The researcher is required to conclude the educational manipulation of technology in the learning process in this research paper. Teachers along with students should see this completely and work to decrease the barriers that prevent many kids and schools from reaching achievement. It is past time for all countries to realize a more technologically sophisticated education structure in the opportunity.

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