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Importance of Technology in Education

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Abstract

Technology have an important role in every sector of economy. In 21st century we can see the great use of technology in everywhere. In present paper there is try to discuss the importance of technology in education. In the present our lives is becoming easier due to technology. The major impact of education technology on the students is the personality development. Today the role of technology in teaching, learning and in research is increasing the use of information and communication technologies is now part of education system. Technology have it's both positive or negative impact on students. Thus to keep in mind the above theme there is try to focus on positive impacts of technology in education. To explain theme there is also focus on advantage and disadvantage of technology in education, use of computer in education, use of computer in classroom etc. Technology is not only have role in student's current education but it also have great role in future in his future carrier and his future role at national and international level. As we know education technology has changed the face of earth with increasing integraration of societies. Thus the above things would provide a broad base to understand the theme. To prepare this paper we studied different generals, books, research papers, articles related websites etc. there is need to study the importance of technology in education. throughout this paper there is an underlying focus on the importance of technology in education.

Keywords: *Education, Technology, ICT, Teaching*

Introducation

The era of 21st century have a important role of technology in many sectors of a country education is one of the most important sector. An economy which is great in technology can grow in today's scenario. After covid-19 pandemic we realized that online teaching played its important role to continue learning of students in pandemic period by using technology in education. Students are getting improved access to such educational opportunities. There are many educational programmes and tools for small children that assist them in getting ready for school. It is important that how effectively technology is used to promote teaching and learning.(Farhad Ghaemian, 2021) .According to Kaite J. Carsters, (2021), "Technoogy is an important part of students lives. Incorporating technology into the classrooms has proved to be beneficial yet also has some drawbacks. Technology has helped students willingness and engagement and allows for the enhencements of learning". Technology includes use of computer, tablets and other equipments that we are using in education and other sectors. Internate is a wide area network which connect the computers used in all over world. According to George Bulman (2016), The net effects of ICT investments in schools the use of CAI in schools,

and the use of computers at home or educational outcomes are ambiguous ; Expenditures and time developed using computers, software. The internet and other technologies may be more efficient than expenditures on other educational inputs or may be less efficient." Thus use of technology in education cannot be ignored. The role of technology in teaching is very important because of the use of information and communication technologies. Technology has a positive impact on education it is important to every country to introduce a more technologically equipped education sector in the future (R. Raja, P.C. Nagasubramani, 2018)." computers are the major success of technology which has turned our lives. Social skills of students has been majorly affected by technology. Key of social skills is face to face interaction although technology has brought the entire world together through networking apps such as social media. (Madushan Rajendran, 2023). According to kanika budhwar (2017), information communication technology like television, computers, internet etc. has important role in student's current and future performance in education. It increases the quality of education and response capability of students. ICT introduces many tools which can used in education and teaching system. According to Dr. S.B. Sharma (2019); technology word includes a sense of knowledge of technical methods which are used to solve the problems. It includes the knowledge of machines, techniques and system etc. the author also explained about the education technology. He explained that education technology can be used in teaching and learning process. The education technology like use of radio, television tape recorder, languages laboratory and the use of teaching machines etc. have a important role in teaching and learning process. According to Chetana M.H.(2019), education technology has an important role in Indian education system. Computer in the classroom, wireless classroom, microphones, mobile devices, interactive whiteboards, online study tools, digital games etc. are many type of technological tools which can be used in classrooms. Teachers and student can understand latest concepts and ideas by the use of ICT. According to Dr. Vaishali Lachhwani (2022), Information Technology plays a great role in education system to make learning so interesting. It increases student's knowledge and capability of learning. There are many social groups online available for the students and teachers to interact with each other. It is very easy and approachable than offline system. It also increased student's critical thinking and analytical skills. Thus use of technology in education is a important issue to analyze. In this paper we try to analyze that how technology have its important role in education and how it is useful for students, teachers and parents.

Use of Technology in Classroom

Now a day's teachers use technology for teaching in classrooms. Educational technology has the potential to increase student creativity and productivity. There are many examples of educational technology like gamification and other play based activities have increased student engagement and information retainment. Google street view and other similar apps allow use to virtually explore parks Forests and even national and international landmarks from the comfort of our classrooms. The concept of using technology for educational purpose is known as educational technology. Classrooms technology is school- specific technology which is designed for improving student skill in the classroom. There are many use of classrooms technology in classroom use of whiteboards is very beneficial for students. Teachers can use images, videos, and text and endless amounts of educational content By the use of whiteboards in classroom. University students can improve their learning experience with the use of technology in the form of tablets and computers revision, assignment submissions and research can all be carried out using the educational technology. Online informations can grow up any research process by the use of technology in the classroom. Teachers can provide online resources to teach them how to assess the quality of the information by online mode.By using a computer or a tablet in classroom can beneficial

for a more active participation in the learning process. When lessions are given by the use of power point presentation or use of whiteboards students are found to be more interested in the subjects they are studying. Teachers can also use many apps for classroom teaching. Technology speed up the teaching and learning techniques and provide many facilities for students according to their needs. They can save their lessions; they can prepare notes of subject by the use of tablet and computer. And get online instructions to support the learning process. Technology in classroom is one of the best way to get interaction and communication between students in the same classroom and with the other students of other classrooms around the world. Students can discuss different topics, ask questions and help each other to solve the educational problems. Technology is used in every sector of education like primary education, secondary education , college education and university also. In the classroom technology gives the knowledge of computer. students get knowledge how to use the internet to complete projects and prepare notes for give response in classroom. Technology prepares students for the future being able to deal with not only familiar technology but strange and new devices will be an important part of student's future success. Technology in classroom can benefit students by in corporating many ways of learning, listening, speaking,writing and sensing. By using technology in the classroom students will be able to take advantage of all the resources that are on offer, which is sure to set them up for success. using technology in the classroom allows for instantaneous feedback and creats synergy.

Role of Computer in Education

Computers are being used increasingly in teaching and learning at all levels. Teaching materials are stored within the computers in the form of programmes to teach specific lessions. A student can use the VDU (video display unit) and call the specified lession and learn it. This type of teaching is very usefull for the weak students and it aims at supplementing the formal class room teaching as the lession in the form the programme can be used by many students and numbers of time. We have mentioned some of the wonders that a computer can do. It can make music detect criminals on the own help in agriculture education, translate books in different languages, play games, make cartoon films, can take pictures. Computer programme can create models for experimental purposes which a student can use to know what happens in a given situation. The computers enable the students to those practicals which are not feasible in reality by changing data a verity of condition can be studied. Scientists and technologists can use computers to solve their project problems. These are some of areas where computer are being used successfully. The number of areas of computer applications is too large and new areas where computers can be applied are being added every day.

Benefits of Technology in Education

There are many benefits of technology in education:

Flexibility in education: Ancient time students and teachers would have to travel for library, and other education centers. But now technology offers flexibility to get study material. Technology offers students to access learning resources with help of internet and computers. Internet offers online learning option for students where he can get a wide range of courses and resources that can be accessed any time and from anywhere. Students can also connect to other students and teachers with the use of video conferencing tools, online collaboration platforms. Students can attend online classes and communicate with teachers.

Improve IT Skiils: By using technology in education, students learn skills in IT. It will make them expert in use of technology for future carrier point of view. Education technology helps students to increase their IT knowledge for further use in any sector of economy.

Technology encourage students for learning: Some students don't like to go to school Because they feel that they are wasting their time. Tech-

nology attracted those students for learning by use of many apps. They can play educational games. They can compare themselves to other by using many education apps. They can get additional knowledge of subject they are learning about. Many education programmes offers award certificates which make the lesion interesting.

Promotes connection between teacher and parents: Technology in education make easier for parents to connect and communicate with teachers. By using a blog for the classroom can help parents get to see what the children are learning each day. There are option for chat and other ways of communication between teachers and parents.

Data collection for research: Without use of technology information collection is very hard task for researches. They have to visit to the libraries situated in many locations in the national and international level. It is very hard for them to manage many books and to move them one place to another. But with the use of technology they have no need to go for a library and manage many books. They can get enough national and international resources online to finish their research work. They can search their queries on google and find what they need.

It help to put all needed data into one location: Technology in education provides various apps and programmes that help teachers to combine and use all information about their students. Once gathered, this information can be used to identify places where are intervention may be useful. It can also help teachers group together students who may benefit more from learning together then learning apart.

Technology in education is affordable: Schools, colleges, universities have their own technological tools. Regular students can access them and use them free of cost. Now a day maximum institutes are connected with computer network. Online books are available at very low cost For less then the price of a set of textbooks, Students can be given a google crome book instead and access all of their books from it. Students can get internet connection on their mobiles at very low cost. So education technology is affordable for students and teachers also. Tution will also decrease when study is done online. By taking out the factors that contribute to a higher tution fee, such as utility bills and transportation allowance of teachers. The overall cost of education will be lower. The students may no longer need to buy a textbook. If it is converted in to digital format.

Disadvantage of Technology in Education

There are some disadvantage of technology in education:

Technology in education increases dependency on machine: Student are likely to develop lazy attitude towards education because everything is now available on internet they saved it in computer or mobile phones. They think they can skip school because they can get lecturers online students are forgetting the role of a teaches in their life, they are totally depend on search engines to look answers and any other query. So they are fail to face any test and exam offline or without any use of technology.

Addiction in students: Because of the use of technology in education most of the students have their own mobile devices. They checks their smartphones many times in a day this habit is negatively effecting their mindset and eyesight also. students may find themselves trying to access other components of the online experience instead of the learning experience.

It reduces direct interaction: By using technology students and teachers are avoiding social life and not interacting face to face. So they have many misunderstandings about their feelings for others. Some people even disconnect from regular social interactions for the comfort of screen, words, and emojis. So technology should be used as a tool in the classroom. It should not be the only component of the study for students and teachers.

Cheating in exams: When online test are conducted by the schools and other educational institutes. Students cheats in exams because nobody can see them. Students don't have knowledge of a

lesson. This is big problem with online tests that teachers often don't know if students have access to another devices while taking the test. This problems have it's long effects in future. Because these institutes give guarantee that the student actually passes the ability needed for higher levels of education or to do their job.

Unauthentic informations: Students depends on informations available on the many websites. But some websites have wrong informations. Other sites copy content from other websites. Because websites have their attention or better ranking than actually providing the better information they need to. Because of wrong informations the students face many difficulties in study. They face problems to get their aim research scholars also face a great problems due to there fake websites and wrong informations. They can not give their best in their research work.

Insufficient knowledge of students: Students can search any information that they want from anywhere. They don't have to take pain for collect the informations. They don't need to attend classes regularly because they can go and get informations from various websites. So they don't want to work by hand many educational softwares for students are helping students to check spellings of words and to calculater mathematical calculations . so students don't know spellings and grammar and calculations because of these apps and tools. So students are loosing their knowledge and ability. They are totally depend on technology this is very difficult condition for there future career. Where they will need a good knowledge and intelligence.

Effect on job and salaries of a teachers: Increasing use of technology reducing the job opportunities of teachers in school, colleges, and universities. Not only job but salaries are also reducing. The role of a teacher an authority is slowly reducing use of applications decreases number of teachers in schools. The remaining teachers have more responsibilities. So many teachers are giving up their job. So the importance of a teacher in a student's life is reducing. The technology have no ability to give them proper guidance about their carier and future life technology can only help students to solve their problems and collect informations. Online study can not analyze the students knowledge and efficiency. But the offline study where a teacher have face to face interaction with their students they analyze students knowledge and efficiency and give them ideas how to increase their knowledge and ability. So teacher is missing his presence by use of technology in education.

Conclusion

In the education sector technology is very useful and important to help the students and teachers to understand and observe what they are being taught. There are many software and programmes that can manage the classroom as well as physical classroom. The online system offers to students online tests, education games, quizzes, activities etc. That could help the student to connect with learning process. There are some negative impacts about the use of technology in education like it is easy to find a lot of information on the google and other search engines. Some vedios, images and informations have negative impact for the students. Some gaming apps are very harmful for students. So it is necessary for parents to keep watch on the children that what they are searching on the youtube, google and other search engines. Teachers need to show students how to find good sources for different point of view. Technology in education has its advantage and disadvantage. But by using safely we can avoid the disadvantage of the technology And we can protect the students from technology's negative impacts by use it alertly. In 21st century its is not possible to avoid the use of technology in education and to return to the traditional education. It is necessary to parents, teachers, educational institutions and Govermments to analyze the limitations and improve the level of educational technology both in online and offline classrooms. Because technology is not only useful for current study but in future it also have it's great role in student's life. Knowledge of technology is very important for students

for their future role in national and international level. So technology is very important in education for skill development and for bright future of the new generation of a country.

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