

**IMPACT OF ICT ON EDUCATION****Neelima Sao**

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**ABSTRACT**

ICT brought huge transformations in each area, which is visible in education also. Those days are gone when teachers used to merely teach through blackboards in classrooms. This scenario is no more visible these days. Apart from learning, ICT in education is being used to enhance creativity, interaction and knowledge sharing. ICT is getting key component of every industry and education industry is not an exception to it. Education sector is also equally inspired by the remarkable potential of information and communication technology for upgrading the quality of education along with outreach. This paper highlights the positive and negative impact of ICT on education.

**INTRODUCTION**

ICT brought huge transformations in each area, which is visible in education also. Those days are gone when teachers used to merely teach through blackboards in a classroom. The scenario is changed and visible less these days. Apart from learning, ICT in education is being used to enhance creativity, interaction and knowledge sharing. ICT provides the flexibility and availability of learning materials to all students. While all resources are available in classrooms, students can also access them outside schools. Owing to the advancement of technology as well as the mentality of the people; Indian education system is evolving in many ways (Jain, 2017). Information and Communication Technology (ICT) increase motivation, achievement and students' learning opportunity. Information and Communication Technology (ICT) can also assist the students in acquiring essential occupational skills. The use of computers in the learning environment has been growing and its applications are indispensable to computers in education today and into the future. (Vimal Kumar, P. 2010).

Information and Communication Technology (ICT) based educational communication has enormous advantages in the education sector. Most importantly, Information and Communication Technology (ICT) eliminate the barriers of place and time in the learning situation. The selection of ICT in education is because of its user-friendliness, speed, accuracy,

high reliability, high storage capacity, integrity, consistency, logicity, versatility, low failure rate, durability, and the probability; above all, it has the special characteristic of interactivity which gives the control to the students. (Vimal Kumar, P. 2010).

## **POSITIVE IMPACT OF ICT ON EDUCATION**

### **Enhances teaching learning process**

ICT now enhances the teaching learning process. Teachers are now teaching with the help of pictures and videos, ICT tools like computers, projectors and printers.

### **ICT supports Inclusion**

The presence of ICT allows for new ways of learning for students and teachers. Students with special needs can access essential material without any hesitation and are no longer at a disadvantage. Students can use ICT tools for their own educational needs.

### **ICT promotes higher-order thinking skills**

IT develops high order thinking in teachers as well as in students. Students are now developing the skills to analyse and evaluate complex information, manipulate, categorize, and connect facts, troubleshoot for solutions, understand concepts, problem solving and develop reasoning.

### **ICT provide access to distance and online learning**

Online learning allows a greater number of students to access to education. The limitation of the face-to-face learning experience, i.e, the size of the rooms and buildings and the students/teacher ratio are eliminated. With ICT, teacher can plan lesson plan easily in a structured way and it can be communicated in a cheap way through digital recordings. Distance learning helps the students who are not able to present physically at the school. Students communicate to their teachers with the help of ICT tools like video conferencing, TV and internet. In online tutorial students can log into his tutor through internet. Both teacher and student can interact with each other. It has made the academic life of many students easier.

### **ICT provides remedial teaching**

It is not possible to organize remedial classes for individual students. ICT provide solution of this problem. The instructional material is designed specifically to meet the individual needs of students and uploaded on the school website.

### **Accurate and easy assessment and evaluation**

It makes evaluation process easier by making computer-based tests. This test can be used by individual student to evaluate his learning. They get correct answer with solution also. The student instantaneously gets the feedback about the status of his understanding. Even help the teacher to rank the students based on their performances during the term or for the entire academic year.

### **ICT Encourages Collaboration**

ICT allows you to collaborate with the any institute in any part of the world. This substantially saves time and resources and can also collaborate with multiple institutes at once,

### **Improves Transparency**

One of the most advantages of ICT is to maintain a transparency. Transparency in grading and attendance process is important. The data of student can be shared with the students, other teachers, school authorities, and also parents. Any issue with student, such as dropping grades, bad behaviour or absenteeism, can be discussed with concerned people with the data as a reference. Data stored using ICT also serve as proof for any action the institute takes.

### **ICT in education improves engagement and knowledge retention**

Students get more engaged in their work when ICT is merged into lesson. This is because technology provides different opportunities to make it more fun and enjoyable in terms of teaching the same things in different ways.

## **NEGATIVE IMPACT OF ICT ON EDUCATION**

By the use of ICT, students don't learn the basic mental arithmetic skills because they depend on the electronic methods including calculators.

With the help of ICT, instead of studying and making their own notes, students tend to usually do copying and pasting. This led to ethical issues like plagiarism.

Relying on spell check and grammar features of software's such as Microsoft word processing led to lower literacy skills because they tend to make the students think less.

One of the major impacts of ICT in education is moral decay. These include the access of inappropriate material, invasion of personal privacy etc.

One more negative effect of ICT in education is that, students spend more on technologies rather than learning. Students also use technology to cheat.

There are large costs involved and poorer students and educational establishments may end up being disadvantaged. This is often referred to as being a factor in the digital divide. Students, and sometimes teachers, can get hooked on the technology aspect, rather than the subject content. Facebook, Twitter, Youtube, Instagram and other social media networking sites can be a distraction to living and learning in the real. (Olaore, Israel B.,2014).

Many ICT gadgets are expensive. So they are cost effective to purchase and to maintain. Poor students cannot get the benefits of e-learning due to the educational establishments.(Bosamia, Mansi, 2013).

Although the internet has reduced physical distances between people, but that doesn't mean they brought all closer together and emotional distance is increased in some aspects. People always busy with their own virtual world and passing a day. They forget the real world with family and friends and they becoming a formality. Children too are spending more time in virtual world and they adopt wrong thoughts thus rising cyber crimes and extra marital affairs with the use of ICT gadgets.( Bosamia, Mansi, 2013).

## **CONCLUSION**

ICT has affected life of everyone that has access to them and that ICT has great impact on education industry. ICT brings people from different parts of the world together to communicate with each other across the world. It provides an opportunity of improving communication, to meet new people online and gather knowledge, to share the personal information online, increasing opportunities for education. Undoubtedly ICT gadgets have really made peoples life simple and entertaining but Information, Media, and Technology Skills are needed for the use of ICT. ICT can have positive impact on education but still we have to be careful when using it because we may suffer from some negative impact by using them. We have to be wise in using the ICT gadgets. Thus, ICT is the new technologies of the digital age have been accessible in our everyday life with a confusing blend of guaranteed benefits with some problems. (Bosamia, Mansi, 2013)

## **REFERENCES**

1. Vimalkumar, P. (2010). Effectiveness of blog-based learning in Physics at Higher secondary level. Retrieved from: <https://sg.inflibnet.ac.in/handle/10603/205647>

2. Bosamia, Mansi. (2013). "Positive and negative impacts of information and communication technology in our everyday life." *Dostupno na: [https://www. Research gate.net/publication/325570282\\_Positive\\_and\\_Negative\\_Impacts\\_of\\_Information\\_and\\_Communication\\_Technology\\_in\\_our\\_Everyday\\_Life](https://www.researchgate.net/publication/325570282_Positive_and_Negative_Impacts_of_Information_and_Communication_Technology_in_our_Everyday_Life) [30. kolovoza 2021.]*
3. Olaore, Israel B. "The impacts (positive and negative) of ICT on education in Nigeria." *Developing Country Studies* 4.23 (2014): 154-156
4. Jain R. (2017). How ICT is evolving Indian education system , The Education Post, Oct., 27.
5. UKEssays. (November 2018). Impacts Of ICT In Education Essay. Retrieved from <https://www.ukessays.com/essays/education/impacts-of-ict-in-education-education-essay.php?vref=1>
6. Nitin Vermani (2023). ICT in Education: How it is Transforming Learning  
Retrived from: <https://leadschool.in/blog/ict-in-education-how-it-is-transforming-learning/>