

## Advantages and Disadvantages of ICT In Higher Education in India

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### **Abstract:**

Information and communication technology (ICT) is sometimes called information technology (IT), but ICT is used more broadly. ICT also offers robotics and artificial intelligence. ICT can also be connected to the education system, for example in schools, ICT tools can be used in many ways where information can be transferred, created, stored, and managed. At times, ICT has become an important part of teaching and learning methods. To implement ICT, teachers must be digitally literate and replace the blackboard with interactive and interesting digital whiteboard methods. When teachers are digitally trained, they make the way they learn more visible, which leads to effectiveness. For students, it improves thinking ability where students can improve their creative skills and express their opinions in a better learning format. The expansion of information technology is taking place at a rapid pace in the Indian

education system. We cannot imagine research without research methods. In view of the advantages and disadvantages of information technology, in writing this search, only secondary information has been relied upon, and based on that the conclusion has been formulated. The importance of information technology in India is increasing day by day. Indian students and teachers realized the true importance of information technology during the corona pandemic. The benefits of information technology are remarkable. But a student in India cannot buy ICT tools as his financial condition is poor to some extent while completing his education through ICT. As a result, he has to depend on traditional education. Just as a coin has two sides, so the two sides of information technology have been obtained on the basis of secondary information from these search articles.

**Keywords:** *Advantages, Communication, Disadvantage, Globalization, ICT, Technology.*

## **Introduction:**

Information and communication technology (ICT) is sometimes called information technology (IT), but ICT is used more broadly. ICT also offers robotics and artificial intelligence. ICT can also be connected to the education system, for example in schools, ICT tools can be used in many ways where information can be transferred, created, stored, and managed. At times, ICT has become an important part of teaching and learning methods. To implement ICT, teachers must be digitally literate and replace the blackboard with interactive and interesting digital whiteboard methods. When teachers are digitally trained, they make the way they learn more visible, which leads to effectiveness. For students, it improves thinking ability where students can improve their creative skills and express their opinions in a better learning format.

## **Advantages of ICT:**

- **Communication:** Time and money can be saved because information can be transmitted much faster. Thanks to ICT, it is now faster and more efficient.
- **Globalization:** Video conferencing cuts travel and accommodation costs. Thanks to information and communication technology, the global economy s become one interconnected ICT system that can be used

to contact a company or a family member and bring nations and people together.

- **Cost-effectiveness:** Emailing seems free, even when it isn't, and is probably cheaper than making a phone call. ICT has also helped automate business processes and organize businesses to be incredibly efficient.
- **Better accessibility:** ICT has enabled businesses to automate and offer customers access to a website or answering machine seven days a week.
- **Culture Clashes:** The growth of technology has allowed people of different cultures to talk and exchange ideas, which increases awareness and reduces prejudices.
- **Creation of new jobs:** The most important benefit of ICT has been the emergence of exciting new professions.
- **Education:** Computers, their programming, and the Internet has made it possible to educate people in ways that were impossible for previous generations.
- **Complex structure:** Thanks to ICT, teachers can explain a complex system and lesson and make sure that students understand it.
- **Make things easier:** teachers can use ICT to design interactive classrooms, making the lesson more fun.
- **GUI to Improve Learning: Images Can Be Used in Education to Improve Students'**

Long-Term Memory Using Information and Communication Technology.

### **The disadvantage of ICT:**

- Inadequate job security - As technology is constantly evolving, experts in various fields find that ICT has created a major problem in job security. If people want to enjoy their work, they must constantly learn new things or keep up with developments in their field.
- Cultures have become dominant - while ICT may have made the Earth more interconnected, it has also resulted in one society adopting a weaker one. For example, American teenagers are now influencing the way most young teenagers around the world behave, dress and behave today.
- Privacy - Information technology may have made communication more efficient, easier and better, but it has also created privacy problems. People are increasingly concerned that their previously private information may become public through the interception of cell phone signals and email hacking. Apart from these problems, computer worms, trojans, malware, spam, and phishing are some of the threats that can ruin our daily life.
- Support for technology - Professor Ian Robertson, an expert in neuropsychology at Trinity College Dublin, who carried out the

study, said: "People today have a lot to remember and rely on technology for their memories, but the less you use your memory, the weaker it is. it becomes. Because they use a proofreader or calculator for simple addition or subtraction, many people don't bother to learn."

- Data Reliability: Just because something is online doesn't mean it's reliable. Anyone with a computer and an internet connection can create a blog or post something on a website. The open-source encyclopedia Wikipedia is a great example of this because, although it is a good source of information, it is not accepted as a reliable source by academic institutions.
- Expensive: Too expensive to pay.
- Special training is needed: lack of experience makes it difficult for teachers to use ICT technologies.

### **Review of literature:**

Mohit Dixit, Lovish Raheja, ICT in Higher Education: A Review of Issues, Challenges and Solutions with Special Reference to India, IITM Journal of Management and IT, Volume 11, Issue 1 ·January-June 2020,P.P 70-75. Higher education is a very important subject for everyone country, how it develops the realization of citizenship and the majority of the workforce serving the nation. Currently, higher education systems

are expanding fast. To ensure quality along with quantity important to involve innovative approaches and technological advancement in the education system. ICT is introduced in all areas including education. But the implementation of ICT in education is quite slow due to the problems mentioned in article. Increasing use of information a communication technologies (ICT) have brought changes in teaching and learning at all higher levels educational systems leading to quality improvement. There are endless possibilities with integration ICT in the higher education system.

### **Research Objective:**

- Studying the advantages and disadvantages of information technology.
- Studying India's progress in higher education of information technology.
- Studying the advantages and disadvantages of information technology and formulating important conclusions based on the research title.

### **Research Methodology:**

The expansion of information technology is taking place at a rapid pace in the Indian education system. We cannot imagine research without research methods. In view of the advantages and disadvantages of information technology, in writing this search, only secondary information has

been relied upon, and based on that the conclusion has been formulated.

### **Hypothesis:**

Information technology has made its benefits on higher education in India more widely noticeable after the pandemic.

### **Limitations**

- Advantages and Disadvantages of Information Technology This research article has been written on the basis of secondary information.
- The conclusion of this search article will be arranged on the basis of the secondary information received.

### **Conclusion:**

Information technology has made its benefits on higher education in India more widely noticeable after the pandemic. The whole world recognised the importance of online education since the time of the global pandemic when traditional education was discontinued. Despite the disadvantages of online education, the benefits were more visible to every citizen of India. The importance of information technology in India is increasing day by day. Indian students and teachers realized the true importance of information technology during the corona pandemic. The benefits of information technology are remarkable. But a student in India cannot buy ICT tools

as his financial condition is poor to some extent while completing his education through ICT. As a result, he has to depend on traditional education. Just as a coin has two sides, so the two sides of information technology have been obtained on the basis of secondary information from these search articles.

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