

# Impact of ICT on the Higher Education System in India

**Dr. Vinit R. Mahure**

**S.G.B.Amravati University, Amravati**

Associate Professor HOD Commerce Department

L. R. Bharti Arts, Commerce & Smt. S. R. Bharti Science College, Taq. Arni. Dist. Yavatmal

## **Abstract:**

The online education system in India proved to be the most useful during the global pandemic. It was during that period that students and teachers realized the importance of online learning. Various research has shown that this has had a full impact on the higher education system in India. Higher education systems have grown exponentially over the past five decades to meet all the demands of quality education. This aspect has gained further impetus thanks to the rapid development of information and communication technology (ICT). The demand for skilled and experienced labor is constantly increasing in today's globalized society. In this situation, the quality of higher education for all has become the determining factor for economic growth and development. To increase access to higher education and improve its reach in the most remote regions of the country, the contribution of open and distance students is increased.

Moreover, it caters to the desire for lifelong learning, and that too at an affordable price. This research article has been created to understand the impact of information technology on higher education in India. Secondary information has been relied upon in the preparation of this research article. Based on the secondary information obtained, important conclusions have been formulated. By using ICT in pursuing higher education, today its positive effects are seen in the ability and perception of the students. In the future, we will not be able to imagine the modern education system without ICTs.

**Keywords:** *Crucial role, ICT, Higher Education, lifelong learning, voice conferencing.*

## **Introduction:**

Information and communication technology, or ICT, enables users to participate in a rapidly changing world where work and other activities are increasingly changing thanks to versatile and evolving technologies. India's information technology and manufacturing sector accounted for 5.9% of the country's GDP and export earnings in 2009 while employing a significant portion of the service sector workforce. The sector directly or indirectly employs more than 2.3 million people, making it one of the largest employers in India and a mainstay of the country's economy.<sup>1</sup>

With changing global educational standards and modern online teaching and learning practices, the role of ICT in education has become important or rather necessary. Until a few years ago, ICT and online learning were considered the prerogative of educational institutions. Very few institutions have used EdTech tools to streamline ongoing classroom and campus management activities. However, the current situation has made us all realize the importance of technology-enabled classrooms!

As an institution, you need to build a strong faculty and student community to

achieve your goals and take your career to the next level, which can be greatly facilitated by Information and Communication Technology (ICT)<sup>2</sup>

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Information and Communication Technology (ICT) is an umbrella term that covers any communication device or application, including radio, television, mobile phones, computer and network hardware and software, satellite systems, etc., as well as various services and related applications, such as video conferencing and distance learning.

When such technologies are used for educational purposes, i.e. to support and enhance student learning and develop learning environments, ICT can be considered a sub-field of educational technology. Higher education ICT is used to develop teaching materials; provide content and share content; communicate between students, teachers, and the outside world; create and conduct presentations and lectures; academic studies; administrative assistance, student registration, etc. In today's information society, people need to get information through ICT to keep up with the latest developments. In such a scenario, education, which always plays a crucial role in the economic and social growth of a country, becomes even more important. Education not only increases a person's productive abilities but also his earning capacity. It gives them a sense of well-being and the ability to have new ideas, increases their social interaction, improves health, and provides a number of intangible benefits. Educational work used various ICT products available and important for education, such as telephone conferencing, e-mail, voice conferencing, television broadcasts, radio broadcasts, interactive radio tips, interactive voice response systems, audio cassettes, and CD-ROMs. goals

Society expects more and more higher education every year. Partly this is due to the constant growth of knowledge and therefore what to add to courses and curricula, partly due to an increase in cognitive challenge and diversity.<sup>3</sup>

### **Review of literature:**

- Mohit Dixit, Lovish Raheja, ICT in Higher Education: A Review of Issues, Challenges, and Solutions with Special Reference to India, concluded that by the researcher's Higher education is a very important subject for every country because it develops the realization of citizenship and most of the labor force serving the nation. Higher education institutions are currently growing rapidly. To ensure quality and quantity, it is important to integrate innovative approaches in the education system and technological advances. ICT is being adopted in all sectors including the education sector. But the adoption of ICT in education is relatively slow due to the problems mentioned in the article. The increasing use of information and communication technology (ICT) has brought changes to teaching and learning at all levels of the higher

education system, improving quality. The integration of ICT in the higher education system offers endless possibilities. The use of information and communication technology in higher education not only improves classroom teaching-learning but also provides an opportunity for online learning.<sup>3</sup>

### **Research Objectives**

- Understanding the importance of information technology in higher education on the basis of secondary information.
- Review the pre-research article to know the impact of information technology on higher education.
- Based on the secondary information received, formulate the conclusion in accordance with the research title.

**Research Methodology:** This research article has been created to understand the impact of information technology on higher education in India. Secondary information has been relied upon in the preparation of this research article. Based on the secondary information obtained, important conclusions have been formulated.

### **Hypothesis:**

H<sub>0</sub> - In the age of information technology, this is having a negative impact on higher education in India.

H<sub>1</sub> - This is having a positive impact on higher education in India in the age of information technology.

### **Limitations:**

- Secondary information has been relied upon for this research article
- The conclusions obtained while formulating the conclusion of this research article have been prepared on the basis of secondary information

**Conclusion:** A university has been set up for higher education in India. Information technology is widely used in it. The need of the hour is to make the most of it by making the most of new technologies while pursuing higher education as everyone has experienced the importance and impact of ICT during the time of global pandemic while pursuing higher education. There is no doubt that using ICT will be more useful in the future as we move from traditional education to the modern education system. This is having a positive impact on higher education in India in the age of information technology. By using ICT in pursuing higher education, today its positive effects are seen in the ability and perception of the students. In the future,

we will not be able to imagine the modern education system without ICTs.

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