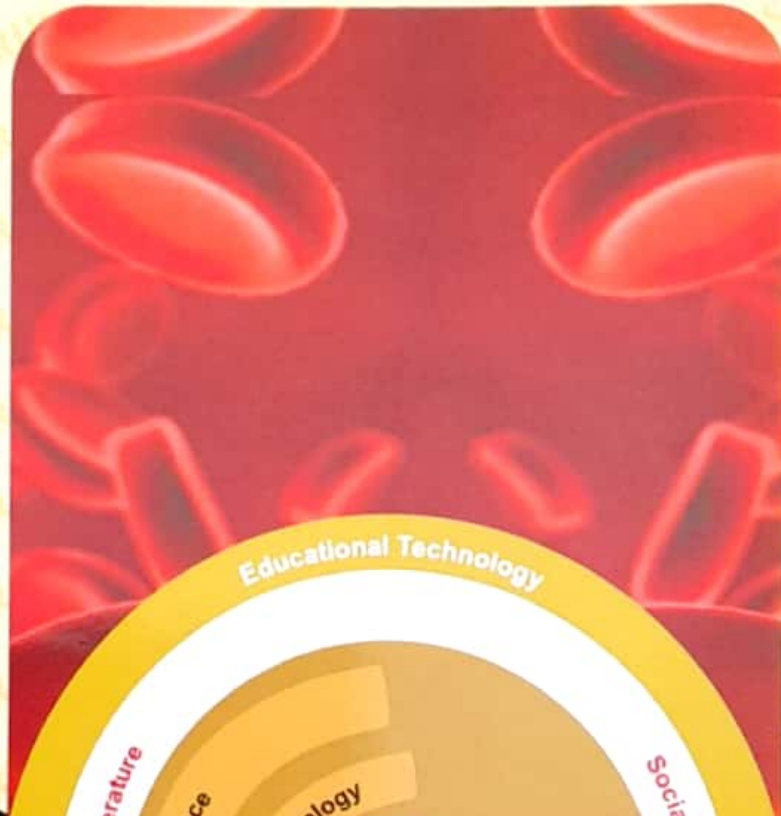




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**A STUDY OF NEED OF INFORMATION, COMMUNICATION AND TECHNOLOGY (ICT) IN EDUCATION****Dr. Kanchan M. Sananse***Assist. Prof in Commerce, R.N.C. Arts, J.D.B. Commerce and N.S.C. Science College, Nashik Road  
navalekanchan1@gmail.com***Abstract**

*In today's world ICT i.e. Information and Communication Technology plays very important role in education sector. Specially in the process of using technology more effectively in the field of education ICT plays vital role. Education sector can become more effective with the help of ICT. ICT based education is nothing but the using of technology, computers, the internet, telephones, broadcasting technologies such as radio and television as tools which is important to enhance or enrich learning process in various subjects. ICT based education promotes learning by Doing Approach.*

*Traditionally education is associated with teachers that too with high degrees but today education is cantered with students and thereby using of ICT based teaching become more necessity. In the process of empowering the technology into the educational activities use of ICT in education sector become important.*

*ICT in education is the mode of education that uses Information and Communication Technology not only to support and enhance but also optimise the delivery of information. It has been understood through worldwide research that, ICT can lead to an improved student learning and better teaching methods too.*

*This paper has an aim to study the need and importance of ICT in education through various angles. This paper has theoretical approach and hence based on secondary data collected from various books, reference books, magazines, research papers, newspapers and internet sites.*

**Keywords:** *Teaching, Learning, Education, ICT i.e. Information and Communication Technology*

**1.1 Introduction:**

ICT in education is the mode of education that uses information and communication technology not only to support and enhance but also optimise the delivery of information. It has been understood through worldwide research that, ICT can lead to an improved student learning and better teaching methods too.

In today's world ICT i.e. Information and Communication Technology plays very important role in education sector. Specially in the process of using technology more effectively in the field of education ICT plays vital role. Education sector can become more effective with the help of ICT. Traditionally education is associated with teachers that too with high degrees but today education is cantered with students and thereby using of ICT based teaching become more necessity. In the process of empowering the technology into the educational activities use of ICT in education sector become important.

ICT based education is nothing but the using of technology, computers, the internet, telephones, broadcasting technologies such as radio and television as tools which is important to enhance or enrich learning process in various subjects. ICT based education promotes learning by Doing Approach.

**1.2 Literature Review**

According to United Nations Report (1999) ICTs covers Internet service provision, telecommunications equipment and services, information technology equipment and services, media and broadcasting, libraries and documentation centres, commercial information providers, network-based information services and other related information and communication activities.

Daniel, J. S. (2002), says that, ICTs have become one of the basic building blocks of modern society within a very short time. Many countries now regard understanding ICT and mastering the basic skills and concepts of ICT as part of the core of education, alongside reading, writing and numeracy.

According to UNESCO (2002), Information and communication technology may be regarded as the combination of information technology with other related technology specially communication technology

Pelgrum, W. J. and Law, N. (2003), states that at the end of 1980s, the term 'Computers' was replaced by 'IT' signifying a shift of focus from Computing Technology to the capacity to store and retrieve the information. This was followed by the introduction of the term ICT and cover many factors such as Internet Service, Information Technology equipments, Telecommunication Services, libraries and documentation centres, broadcasting through internet, network based information services.

Plomp, T, Pelgrum W. J. and Law N., (2007) suggest that people have to assess knowledge through ICT to keep pace with the latest developments

### 1.3 Objectives:

- i) To know the concept of ICT
- ii) To know importance and effectiveness of ICT in education.

### 1.4 Meaning of ICT

ICT stands for 'Information Communication and Technologies'. An information and Communication technology includes all kind of technologies for the manipulation and communication of information. ICT includes the uses of digital technology in all the ways which are in existence and helps to individuals, business and organisation at large.

Mainly ICT is concern with the storage, retrieval, manipulation, transmission or receipt of digital data.

### 1.5 ICT in Education:

ICT are currently being used in education to assist students in their required field it helps to learn more effectively by providing teachers with access to a wide range of new pedagogy. These technologies are also being used to enable teachers to do administrative tasks more efficiently and effectively.

First of all policymakers in education field and planners must be clear about what educational outcomes are being targeted to be achieved. These broad goals should basically guide in selection of technologies to be used. Because the potential of each technology varies according to how it is used. Presentation, Demonstration, drill and practice, interaction, collaboration etc. are some of the levels of technology use in education.

### 1.6 Effectiveness of ICT in Education:

- 1) The use of ICT in education adds value to teaching and learning by enhancing the effectiveness of learning.
- 2) It helps in enhancing environment more stimulating and engaging than a traditional classroom environment.
- 3) ICT can be the most effective way to increase the knowledge of students in friendly environment.
- 4) Value to teaching and learning can be increased by enhancing the effectiveness of learning through ICT. It helps to add new dimensions towards learning that was not previously available in traditional educational system.
- 5) Most important is that, ICT helps and promotes learning by doing approach. It helps and enables self paced learning.
- 6) It helps to promote technology literacy among its users.
- 7) It can support Distance Learning.
- 8) It helps to promote equal opportunities to obtain education and information.
- 9) It supports for sharing experience and information with others.

### 1.7 Conclusion

It is concluded that the development of ICTs within education has strongly affected by explanation of these four questions viz. What is learned? , How it is learned? , When and Where learning takes place?, Who is learning and Who is teaching?

Technology will not replace teachers. But, ICT have opened up fresh prospective in teaching and learning. These various ICT enabled methods helps the teachers to offer quality e-content in classroom. Key benefits of ICT based education are to promote learning by doing approach and enabling self paced learning. The main purpose of ICT implementation in education is to provide the prospects and number of trends of integrating it into general educational activities. Technology can be the most effective way to increase the knowledge of students.

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