

## Chapter 20

# Impact of Information and Communication Technology among the Physical Education Students in Alagappa University, Tamilnadu

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### **ABSTRACT**

*This paper focuses on the Impact of Information and Communication Technology among the Physical Education Students in Alagappa University, Tamilnadu. Data was collected through a structured questionnaire from 214 students of various branches of physical education. The population includes UG students, PG students and Research Scholars. The findings show that Internet has become a significance source for the students as they use internet for education purposes, research work and updating knowledge. A half of the respondents (72.90%) have stated that internet used for E-Mail purpose only. Up to 72% of the respondents have stated that no computer lab is the prime barrier of using ICT Resources. The study suggests that for the optimum utilization of e-journals, consortia's and various other ICT based resources and services and the library should undertake the literacy/orientation programs on regular intervals for their respective respondents.*

### **INTRODUCTION**

ICT Stands for “Information and Communication Technologies.” ICT refers to technologies that provide access to information through telecommunications. It is similar to Information Technology (IT), but focuses primarily on communication

technologies. This includes the Internet, wireless networks, cell phones, and other communication mediums. In the past few decades, information and communication technologies have provided society with a vast array of new communication capabilities.

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Information Technology has radically changed all aspects of modern human life. Information itself is so dynamic and its resources are unending. It helps in the educational process, research and developments. Technology also, in a broad sense, is very important to the development of information. Information Technology facilitates transfer of electronic data or information from one place to another, one person to another or one educational institution to another crossing all boundaries. It is the electronic means of capturing, processing, storing and communicating information. It covers any product that will store, retrieve, manipulate, transmit or receive information electronically in digital form. Modern information and communication technologies have created a “global village,” in which people can communicate with others across the world as if they were living next door. For this reason, ICT is often studied in the context of how modern communication technologies affect society.

## **DEFINITIONS**

American Library Association (1983) defined information technology (IT) as the application of computers and other technologies to the acquisition, organization, storage, retrieval, and dissemination of information. The computers are used to process and store data, while telecommunication technology provides information communication tools, which make it possible for users to access databases and link them with other computer networks at different locations.

Hamelink (1997) defined Information and Communication Technologies to be those technologies that enable the handling of information and facilitate different forms of communication. These include capturing technologies (e.g. cam-coders), storage technologies (e.g. CD-ROMs), processing technologies (e.g. application software), communication technologies (e.g. LAN), and display technologies (e.g. computer monitors).

## **APPLICATION OF ICT**

The Information Technology explosion and its applications in every aspect of life have changed the entire scenario of the present world. The recent development in Information and communication Technologies (ICT) and globalization of information made easy for individuals to access information from anywhere, anytime. Application of ICT in Education, Research and Development has become inevitable in the present era of information explosion and wide spread use of digital information resources. The result of the present study is expected to provide understanding on the state-of-art of ICT applications and to prove that it is useful for suitable modification or improvements for better availability and usage of the same.

## **ICT IN EDUCATIONAL ENVIRONMENT**

ICTs have quickly become one of the basic pillars of modern society construction. ICTs have revolutionized in the field of education and its use is now progressing rapidly in many educational institutions in the developing world. Many countries believe that the understanding of ICT and command of the skills and concepts of ICT as part of the basic core of education. Due to development of ICTs in education, every faculty member requires a basic knowledge of ICT so that they can be successful in spring their academic status and who may be involved efficiently in modern technological society. In virtually all fields of education, the role of the teacher is shifting not only a broadcaster of thought, but also the doctrine of the good nature of the learning process. The increasing use of technology is leading for changes in the forms and methods of teaching processes which are more student-centered. The interactive relationships emerge between teachers, students and technology with ICTs. Information and communication technologies have given rise to new

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