

A STUDY ON APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATION

*MR. P.VIJAY, **DR. R. SAKTHIVEL

*Research Scholar, Karpagam University, Coimbatore- 641021

**Assist Professor- Business Management, Government Arts College, Coimbatore -641018.

ABSTRACT

Education was very difficult in past decades but now a day's the information and communication technology brought the education closer and routine one. It is believed as basic one in education system within a short period of time. It is the contemporary requirement in everybody's life and plays a vital role by providing more attention to the education. This article deals with how the information and communication technology is used in education.

INTRODUCTION

Education is one of the main keys for economic development. Information and communication technology use the different set of technological tools and resource to create, manage and store information. It is the heart of educational process in the world wide. (1) The information and communication technology promotes the education and facilitate the students to acquire the needed skills for higher studies and gain employment by improving the curriculum. Self learning is promoted by creating critical thinking and sound skills. Computer networking gave birth to information technology. Scientific technologies and engineering disciplines used to interact between man and machines. The information and communication technology = Information technology + other media. It provides learning methods like e -Learning, e-education, e-journals, online learning etc. It uses the 3G mobiles as the latest method to promote the education directly to any one and one can access it anywhere else. It brings the updated information and provides the opportunity to the learners to get the maximum information. It provides the different information for teaching and learning in the education system. The information and communication technology engage the learning process by combining the sound, colour, image and creating a realistic inspiration. The internet motivates the learners to learn more by the interaction opportunity with real people to participating in the real events.

Objectives of the study

It is attractive to know the applications and methods of information technology in education. It provides a useful method for studying the student's curriculum development

and how the information and communication technology used in is Institutions.

Applications of Information Technology in Education

The information technology developed and preserved the knowledge in education. It assist the learners to access the information in their place itself by avoiding the physical presence to gain the knowledge and it allows accessing the universal knowledge in the hands of the learner.

A) *Collection of information*

The information technology replaced the oldest education method. The modern internet technology allows the learners to access the world wide information accurately and immediately by a single mouse click. The audio and video system assisted to approach the experts to gather information. Interactive learning in the form of advanced video conferencing is contributed by information technology to collect and share the information from experts from anywhere in the world. (2)

B) *Education for all*

The development of the county is related to education .The literacy level has declined in the past 30 years by expanding the education to all with the help of information technology .The economic development and social justice have also developed .

C) *Motivates learning*

The information technology motivates the learning by making available of related information at any place at any time by eliminating the premises and reducing the class time. The self motivated learners can speed up the learning by self study and it got the capability to promote the

learning by bringing the best teachers to the class room.

D) Supporting teachers

Education is the component of learning, good teaching is the backbone of quality learning. The creative and more effective changes in the teaching brought positive by information technology and it support the teachers to update and improve their knowledge by exchange of ideas, by obtaining information from experts etc.(3)

Methods used by information technology for education

A) E-learning

E learning permits to learn the people anywhere at any time by delivering the information and guidance from the experts just in time. (4) The e learning uses the internet browser for web based learning and it uses the local area network and Wide area network for the process of education interaction and course delivery etc.

B) Blended learning

The face to face classroom instruction is combined with E-learning without transferring class room hours. It reduces the seating time and makes it possible to build up the face to face course regularly with online resources. (5)

C) Open and distance learning

The teacher and the learner are separated by using the information technology in time and place. The information technology implements the two way communication between learners and teachers for interaction .It reduces the face to face meeting and there is a possibility of occasional meeting. (6)

d) On-Line Library learning

The effective materials and educational resources are available in the World Wide Web library. The materials can be easily accessed even in the remote location. The learners in the remote location can access the same universal material accessed by the urban location learners. (7) For example www.worldwide.edu

Curriculum development by using information and communication technology

The students can build up their educational awareness knowledge , ability, capability to compete, sharpen them to adopt the opportunity to achieve the curriculum outcome

by applying information and communication technology. The information and communication technology is undividable from achieving future curriculum goals. (8)

Electronic devices used in education for curriculum development

The commonly used communication technology to convey the educational are

a) Telephone

The world wide accepted communication device is telephone. It is the first electronic device which played a vital role in the world wide to exchange the information, ideas between the people and experts.

b) Smart phones

The mobile handset technology is one of the developed communication system preferred by the learners to access the benefit at any time anywhere. Now days it plays a vital role in communicating the information to others. The learners can access email and other network benefits in the mobile handset itself so they can collect all the information related education by sitting somewhere else.

c) Internet

The internet is the successful innovation of human mindset. The internet makes the world so small and makes the learners to feel comfortable and easy access of related information. It is the milestone in communication technology. The email is preferred to chart and communicate with everybody without failing performance. The education related information can be easily shared between others and it makes the learners feel free to gather the related information.

d) Websites

Now a day the learners can access the information related to education from websites. The websites are developed by the experts and the informations are uploaded and updated by them. Now a days even the school kids are taught to use the websites for learning purpose. The web sites are reducing the work burden of teachers and guiding the learners to be self learners and self motivators. (9)

e) Videoconference

Video conferencing is a combination of video and voice

communication technology used to connect with others by using an information technology. The user needs webcam, microphone, and broadband connection to access this facility. The learners can enjoy the benefit of real time natural conversation by avoiding the physical appearance for face to face conversation. (10)

Information and communication technology used in educational Institutions Interactive boards

The electronic white board is named as interactive boards are the advanced information technology used in schools. The information technology makes the teachers to create lively lessons with interesting information.

Easy to make experiments

The experiments are improved and easily observable with the use of information and communication technology. The computers are preferred to get the accurate results of the experiments and some experiments are not possible without computers.

Audio and video support The students are encouraged to depth analysis by presenting the preparation with audio and video effects and they can produce a reality effort in their preparation.

PowerPoint

Power point presentation is the best support for the faculty members for the preparation. The teachers can bring the images of the particular thing directly to the class room. The students also can easily view the particular preparation of the teachers. Computer graphics

The computer graphics is used to show and explain the concept of the particular things. The creativity is innovated by using the computer graphics. The information technology promotes the teachers to use computer graphics for clear vision.

Communication through internet The students are kept in touch regularly by using email. The communication between students and teachers create a nice platform for learning. The students send the home assignment to their teacher and get the remarks from the teachers electronically.

Displaying learning materials

The students can use the learning materials through special software exclusively designed by the institution. The students collect the necessary materials stored in the

software. Changes in teacher's attitude The new approaches in teaching make difference in teaching practice. The teachers can easily update their knowledge by realizing their commitments with the help of information technology. It makes the change in the teacher's attitude. (11)

CONCLUSION

The information technology is the mile stone in the present world. It contributed several unachievable peaks, in the mean while the Information and communication technology exploited the human mind set by providing unwanted and unrelated things to the present education system. Information and communication technology is a welcome one but now days people are trying to learn the usable thing to demolish the world. It should be protected from illegal usage by valuable rules and regulations. The necessary provision is needed to clear the barriers and to prohibit the usage of Information and communication technology in right time by right people.

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