ICT & Innovations in Education

International Electronic Journal

Analyzing the Influence of ICT in Education

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www.ictejournal.com

ABSTRACT

Teaching and learning process is known as education. Simply knowing some facts doesn't mean education but it should be used for solving the problems in life. Technological gadgets help learners to learn more of their own. Among all gadgets ICT now is considered as one of the most important inventions in the field of education. This paper evaluates the importance of ICT in education and the position of ICT in curriculum

Key words: Role of ICT, ICT in Curriculum, Computers.

1. Introduction

"Learning takes place in a joyful atmosphere. It is a continuous process in which novelty in teaching methodology is inevitable"

Education is a tool with which one makes his internal and external. It is not imparting knowledge of knowing facts and figures. It is the manifestation of perfection already in man. Education accumulates character, lengthens knowledge, stipulates strength of mind and supports the human values. It is necessary to solve problems in life and enables the learners to know about the modern technologies which could facilitate educational process. John Dewey said,' Education develops social and harmonious value in a man'. Education is the right of every human being. It is necessary to impart qualitative education to the quantitative mass to have another advance in every field.

Many audio visual aids are being in vogue in the process of teaching and learning. In spite of using many gadgets like TV, DVD, CD, OHP, etc. the effective teaching can be given through the latest electronic gadgets such as computers, smart board, digital board, white board, etc. Though these modern electronic gadgets are employed for effective teaching and learning process, teacher in no way can be transplanted. So all these gadgets cannot substitute the teacher but can supplement the teacher for effective, enthusiastic and excellent learning process.

The present age in education is the age of information and technology. This increases the efficiency in comprehends and communication. The most useful technology in the field of education at present is the use of ICT. The ICT in the education is economical in the sense, and it saves much time in the process of teaching and learning. It helps the slow learners and other to learn as per their pace.

 "The great psychologist Piaget said, "To know an object one must act upon it with physically or mentally. Most of the students studying higher education exhibit their own interest in using technological gadgets such as computer, internet, etc. Students have basic responsibilities for planning, parsing, perceiving and performing by using ICT to learn.

2. ICT in curriculum

The role of a teacher is like a gardener. He has to make necessary steps to facilitate self-learning and prepares suitable ground for the learners to learn. To what extent and how much should be the use of ICT in the process of education is to be decided and planned well.

'Incorporating ICT into the English curriculum can support collaboration, creativity, independent learning and reflection'. Becta, 2006.

Teacher or educationist should aware that to which topic the implementation of ICT could be possible and successful. This leads to the framing of curriculum for ICT programme. The planning to use ICT in teaching of English should be much profitable and useful to learners for the development of English knowledge and utility of the language in the life situation.

In order to understand the place of technology in curriculum, it is necessary to understand the implications of ICT which combines modes and media. 'ICT in education works dynamically and encourages different kinds of reader interaction and have a spatial dimension'. Becta, 2006.

In learning process, ICT provides online interaction which helps the learners for long understanding. ICT is a vehicle in education process within the technical framework. Learning should be effortless and fun using ICT. Technology is used as complement. It is not what it is; it is what you do with it. Jones, 1986.

3. Technological gadgets and education

The new technological gadgets such as EduSat, Internet, Mobile, Television, Computer, Video Conferencing, Virtual learning, etc do help learners to learn effectively

Let us discuss here

EduSat: It is one of the most important education systems in this new technological world. It covers the nook and corner of content and provides an ample opportunity for self-learning.

Internet: It plays a tremendous and stupendous role in education system in this present scenario. It provides autonomous learning environment and develops self-confidence in the minds of learners.

Mobile: Mobile phones team up the learning process. Learners can use internet by using mobile phones. It can be carried easily wherever they want to.

Television: 'It is no use complaining that children today would rather watch TV or Video than read'. Philippe Thompson, 2000. Television and Internet help students and teachers to compare and classify information. Latest news not yet publish on different field can also be located through television.

Computers: 'The games in the computers play a significant role in the lives of many of our students and can be used as spring boards into related texts and issues' Beavis, 2006. The way computers are used has a profound effect on student outcomes and it encourages learners to engage with ICT for higher order learning ……………..as mind tools or cognitive tools, Anderson, 2005.

Video Conference: It is an intermediate form. It makes significant inroads in education like other eletronic gadgets and brings learners together.It helps to save timeandto balancework load.

Virtual learning: It is a platform for learning. It is an electronic educational technology which is also known as e-learning. Mind space, wziq, black board, etc. are used for virtual learning. It helps to develop innovative and effective methods for personal development with the help of ICT.

The modern International and global schools show intensive interest in introducing ICT for the students right from secondary level. It is gradually familiarized among the students studying in the urban area. The knowledge exploring at present is indescribable. Education has become an inspiring, informative and interesting process among the teacher and student alike.

4. Role of ICT in education process

- ICT in learning process is a great boon for learners as well as teachers
- Learners can carry a compact gadget anywhere for self-learning
- Through ICT, learners can excel in all aspects in the elements of the language.
- Latest apps are also of much useful in the ICT programme.

Advantages

- It is time saving and quality of interactive process can be enhanced.
- Class will be enjoyable if visual aids are used. Most of the students pay more heeds to learn through ICT in the classroom
- ICT induces the students to become achievers in academic activities and makes teaching and learning process live
- Instant feedback in ICT learning enables the students to know their strengths and weakness. So that they can make necessary remedial steps in their learning of their own.
- The complex theories or formulae can be easily explained and understanding even in the absence of teacher.
- ICT increases the array of learning opportunity for students and fills the gap between learner and learning
- Novelty in evaluation can be introduced.
- It helps scholars to find out plagiarism in their research work as well as in their students' project work
- It provides learners effective venues for individualization and helps to revise, to format, to draft and to programming their project work
- It makes learners to develop their expression power, decision making ability, and value clarification
- It gives opportunity to establish an authentic contact with the world and motivating the learners to interact with the faculties online
- It helps teachers to conduce learners' knowledge, to mark students attendance and performance report, self-timetable, class time-table, lab functions and reservations, etc.

Disadvantages

- Even though the internet, online course, etc. are becoming very popular in education, it makes learners a jelly fish and mechanical in learners.

- ICT in education process is unpredictable and risk taking.
- It is not possible for teachers to depend fully on electronic gadgets to teach by superseding human resources. Now-a-days anyhow manual power has been superseded by electronic gadgets such as computers, internet, i-pad, etc.
- Learning needs the human approach. ICT lacks human touch.
- Though the new technology such as ICT assesses human personality, it cannot be the only best tool to evaluate a person.

5. Suggestions

- It is not always necessary to spend much time to downloading or searching for a text to teach. In and around us we have many real things. Teachers can use them to teach contextually. This type of teaching may help them to develop their creativity.
- It is important to introduce ICT in classroom teaching right from LKG. But teachers should be given proper training in using ICT. Otherwise spending money on ICT is going to be waste.
- If ICT is introduced in curriculum, then it is easy to mould our learners' future with great knowledge.
- If students are allowed to use ICT to learn in the classroom, their skills can be developed not only in computer subject but also in other core subjects.

Conclusion

ICT bridges the gap between education and learning experience. Unless and until concerns about equity and access are addressed, the mandatory inclusion of ICT in the curriculum remains a continuous issue and new technological gadgets are becoming meaningless. Since the technological gadgets play a prominent role in every walks of human life, ICT stands first and it is an important gadget and commendable one. So application of knowledge in ICT needs improvement in education field. Though ICT facilitates teaching and learning process, it has limitations. The new technological gadgets such as video, whiteboard, tablet, OHP, digital board, TV, recorder, CDs, DVDs etc. help us a lot to teach and to learn. We can do what else we need to do with them but it is up to us to use them.

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