ICT to Support Educational Reform Efforts

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Abstract

The Information and communication Technology has been continuously developing the quality education in every faculty. Rapid advances in the technologies for communication media like television, computer Internet, printing and publishing has enabled the teachers with modern ways of teaching and students also learn in better way. Teacher – trainer should know the recent changes and advanced techniques which are useful for enhancing the quality of education. ICT is the most effective source or way for bringing the revolutionary changes in education. Teacher can take lectures with the help of ICT which will not only build up the confidence of teacher but also the students. There is a need of ICT enabled classrooms in education. ICT empowers the teachers. Information and Technology has proved to be extremely useful for education and research. Teaching and learning process is endless. Use of new technologies such as vodcast, podcast CDROM based teaching; web based teaching, virtual classrooms, use of blogs and wikis, OHP, LCD, Video conferencing, PPT, Blogs, wikis, resource, Face book, Multi media etc. are necessary nowadays. ICT is supporting to the efforts of global reform in education field. Technologies such as Computer, Laptop, Digital Camera, Video, Internet, Websites, DVDs, application of software such word-processing, spreadsheet, e-mail, digital libraries, computer mediating conferencing, projectors etc. we can overcome all barriers in communication and instruction. Use of ICT in education is supporting to the global changes in the field of education.

KEYWORDS: blogs, vodcast, podcast, M-learning, E-Assessment

Introduction

The Information and communication Technology has been continuously developing the quality education in every faculty. Rapid advances in the technologies for communication media like television, computer Internet, printing and publishing has enabled the teachers with modern ways of teaching and students also learn in better way. Teacher – trainer should know the recent changes and advanced techniques which are useful for enhancing the quality of education. ICT is the most effective source or way for bringing the revolutionary changes in education. Teacher can take lectures with the help of ICT which will not only build up the confidence of teacher but also the students. There is a need of ICT enabled classrooms in education. ICT empowers the teachers. Information and Technology has proved to be extremely useful for education and research. Teaching and learning process is endless. Use of new technologies such as CDROM based teaching; web based teaching, virtual classrooms, use of blogs and wikis, OHP, LCD, Video conferencing, PPT, Blogs, wikis, resource, Face book, Multi media etc. are necessary nowadays. ICT is supporting to the efforts of global reform in education
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**Objectives**
1] To find out the role of ICT in teaching learning process.  
2] To point out the useful technologies for enhancing the quality of teaching learning.  
3] To survey the support of ICT in educational reform.

**Research Method**
Researcher pointed out that how can technology support for educational reform. According to the general observation and survey, most of the teachers uses the ICT for effective teaching learning process in their classrooms. ICT is playing important role in the enhancing the quality of education.

**ICT to support educational Reform Efforts**

The classrooms have to change, today and tomorrow according to the technological achievements. Teachers should get knowledge about modern technologies. Technology is playing vital role in the reform of Education. Teaching learning process becomes easier and interesting. Traditional classrooms are changed into technological classrooms. Use of ICT in education is enhancing the quality of education. In the area of teaching learning and evaluation also in administration, planning and management ICT has been playing the important role. Here are some reasons given about the ICT to support educational Reform Efforts.

**Role of ICT in teaching and learning to support educational reform**

The new technologies provide enormous opportunity for teaching and learning effectively and with great interest. Followings are the ways that made great reform in teaching learning process in the classrooms. Information and communication. ICT can transfer the teacher centered and book centered teaching learning process into student centered learning process. It is creating healthy and rich environment in education for bringing the quality education. It is the source of interactive teaching learning process. It is the great reform in education. ICT is a new paradigm of the teaching-learning process; we must accept the new technology and use ICT as a tool of teaching-learning process.

**1] Use of podcast and vodcast technologies in teaching learning**

These modern technologies have become great potential and brought revolutionary changes in education. These are the effective tools in teaching learning process. Podcast and vodcast are basically audio and video technologies. Podcast is an online pre selected audio on demand, delivered through a portable media device such as a iPod or mp3 player whereas a vodcast is an online delivery of video content on demand through a video player such as an iPod video. These technologies are useful for self learning it can be worked effectively in the distance education.
2] Use of computer in education

Use of computer in teaching learning and evaluation is bringing additional dimensions to traditional teaching methods. Computers can be used to create instructional materials, slide shows, videotapes, worksheets, tests, bulletin board materials, rewards, puzzles, games, and displays. Computers can be used to increase personal productivity through grade-book programs and word processing programs. For the record keeping purpose computer is useful in education.

3] Use of mobile technology i.e. M-learning

Mobiles are fascinating instruments that are widely used by both young and adults. Use of mobile is a challenging task for the teachers. For the development of verbal and non-verbal communication skills, this technology is most important for the teachers. By playing the recorded audio files in the classrooms, students were given inputs on their use of soft skills.

4] Use of blogs and wikis

Now a day, students can use the blogs and wikis for developing their creative writing skills. Blogs and wikis are the online collaborative writing tools. These technologies reduce the burden in learning and motivate the students for self learning.

5] E-learning

Ellitott Masie suggests that e-learning is the use of network technology to design, deliver, select, administer and extend learning. E-learning attracts the attention of learner. It is interesting also because of flexibility. The quality of e-learning has improved in recent years as teachers and students have become more comfortable with the technology. Then we can include some points like convenience and accessibility as the importance or advantage of e-learning. As far concern the reforms in education e-learning is playing key role. E-education or E-learning is the more flexible education. It is also the error free and speedy technology. E-learning is also known as the more planned and well organized system of education. It is very easy to access and useful to all learners.

6] Use of power point technology, LCD, OHP, slide projectors in teaching learning process

The old and traditional methods are replaced by the use of technology based teaching learning methods or approaches. Chalk and talk method is replaced by the demonstration with the help of technology. Teachers are using different technologies in the classrooms like power point technology, LCD, OHP, slide projectors, mobiles etc. For the effective demonstration and analysis of difficult concept these technologies are very effective in the classrooms. ICT enabled classrooms and teachers are the need of the present era. Traditional classrooms are changing into the technology classrooms. In the era of globalization ICT is able to face the challenges with these innovative and modern technologies.
7] E-Assessment
   It is also one of the great reform in education which brought by innovations of ICT. E-assessment is the effective tool which is used to test the soft skill in language and also to get the instant feedback.

8] On line exam
   Due to the use of ICT in education great changes in education field are occurred. The traditional exam system is taken place by the on line exam system. It is the revolutionary change in the field of education. According the learners need and expectations on line process of exam has a great impact on education field.

Conclusion
   ICT is the medium to face the challenges brought by the globalization. It is not only the medium of teaching learning but also an assisting tool for conducting research and related information within time limit, for collecting the data and for the purpose of documentation. It also provides the interesting and enjoyable atmosphere for teaching learning process. ICT brings changes in the pedagogy of academic transaction. ICT is becoming the part and parcel of the educational system and playing the key role in facing the challenges of the globalization. ICT is supporting to the reform efforts of global education. “Information and Communication Technology (ICT) is the scientific, technological and engineering discipline and management techniques used in information handling and processing, their application; computers and their interaction with men and machines and associated social, economical and cultural matters” (UNESCO). The emergence of the knowledge based society is changing the global status of education. It is the time to develop a new knowledge based global society.

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