

ROLE OF INFORMATION TECHNOLOGY IN DISSEMINATION AND DEVELOPMENT OF EDUCATION

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ABSTRACT:

Information technology has been developed to provide education in different fields like marketing, engineering, arts etc. Some of the technological tools use information technology to spread out or promote education and training. This paper also focuses on the description of various tools and techniques which are used to promote education like portable computers, electronic books, mobiles, pc's etc. Basically internet is the key in promoting education by learning and understanding these concepts the way of spreading and promoting education becomes not going so tougher as it was previously. These tools and technologies are mirror of for future educational environment. E-learning and mobile learning opens the way of learning new things in new and an interesting manner. E-books and digital libraries are also the new concepts related with the promotion of education. This is an amazing fact that when you analyze the growth of e-books and digital library then you may think that it will replace the book and libraries in future in a particular customized manner. In arena of exploding information, the scientists, educationists have a key role to play. They have to identify the shift in the paradigm and gear up to meet the new challenges by adopting superhighway technology like e-learning, m-learning, digital library and etc. This paper focusses that the internet is the only solution for speedy, Prompt, responsive, exhaustive, pin pointed, efficient, effective and tailor-made information services. Finally we can say that IT plays an important role in disseminating education.

Keywords: Computer, education, Technology, internet, learning etc.

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INTRODUCTION:

As technological tools and technologies are introduced in education, the promise and potential of IT in enhancing learning is attractive, but the lack of initiative has hampered its progress. IT is seen as a critical component of the educational experience, creating opportunities for students as well as the teachers. Many software companies are developing educational software to promote education. Macromedia has been developing programmes for schools. A Delhi municipality school has been using the software for teaching its students subjects such as mathematics and science, and has observed a growing interest in subjects usually considered tough. Computers are used not just for routine teaching, but are also put to use in an innovative ways. There are some important concept of E-learning, M-learning, digital library, e-books playing a vital role in promoting education at a large scale. Over the past ten years, e-learning has become a key service offered by most colleges and universities, forms the core of numerous businesses plans, and is a major strategy within the Department for Education and Skills. Together with representatives from business, government and society, BSI is working to standardize this fast-developing field. Developments in the capabilities of IT have led to its growing use to deliver, score and record responses of tests and assessments in a wide range of educational and other contexts. Suitably used, IT delivery offers advantages .of speed and efficiency, better feedback and improvements in validity and reliability, but its increased use has raised wider issues about the security and fairness of IT-delivered assessments, as well as resulting in a wide range for different practices.

Technique for dissemination and development of education: There are some of the concepts of IT which are rapidly spreading education all over the world.

1. E-learning:

The Internet is a complex repository containing a voluminous amount of Bit of information from a variety of sources. It has become a prominent source of information from many people worldwide. The Internet wave has also hit the educational landscape in much more big and broader ways. The use of technologies such as the Internet as a teaching tool in schools is not the issue now since it's all over the field is used. Rather, the issue is how to effectively employ such technologies and harness fully the new opportunities created by them to promote positive student learning experiences. E-learning contains all forms of electronically supported learning and teaching. The information and communication systems, whether networked or not, serve as specific media to implement the learning process. The term will still most

likely be utilized to reference out-of-classroom and in-classroom educational experiences via technology, even as advancing continue in regard to devices and curriculums. E-learning is essentially the computer and network-enabled transfer of skills and knowledge. E-learning applications and processes include Web-based learning, computer-based learning, virtual classroom opportunities and digital collaboration. Content is delivered via the Internet, intranet/extranet, audio or video tape, satellite TV, and CD-ROM. It can be self-centered or instructor-led and includes media in the form of text, image, animation, streaming video and audio.

2. Digital library:

A digital library is a library in which collections are stored in digital format (as opposed to print, microform, or other media) and accessible by computers.⁴The digital content may be stored locally, or accessed remotely via computer networks. A digital library is a type of information retrieval system. The advantages of digital libraries as a means of easily and rapidly accessing books, archives and images of various types are now widely recognized by commercial interests and public bodies alike. A traditional library must spend large sums of money paying for staff, book maintenance, rent, and additional books. Digital libraries may reduce or, in some instances, do away with these fees. Both types of library require cataloging input to allow users to locate and retrieve material. Digital libraries may be more and more willing to adopt innovations in technology providing users with improvements in electronic and audio book technology as well as presenting new forms of communication such as wikis and blogs; conventional libraries may consider that providing online access to their OPAC catalogue is sufficient. An important advantage to digital conversion is increased accessibility to users. They also increase availability to individuals who may not be traditional patrons and patterns of a library, due to geographic location or affiliating to an organization.

3. M-learning:

The mobile revolution is finally here in the form of m-learning, which is an advanced technology and natural extension of e-learning. The term M-Learning or "mobile learning", has different meanings for different communities as well as societies. Although related to e-learning and distance education, it is distinct and different in its focus on learning across contexts and learning with mobile devices. One definition of mobile learning is: any sort of learning that happens when the learner is not at a fixed, predetermined location, or learning that happens when the learner takes an advantage of the learning

opportunities offered by mobile technologies. In other words mobile learning decreases limitation of learning location with the mobility of general portable devices. In a span of five years, Mobile learning or m-learning has made an exponential leap from theory explored by academicians to a real contribution to learning. Globally speaking, the kind of penetration that mobile phones have reached is astounding and no other device can come any closer, not even computers. No demography is immune from the mobile phone and it has slowly become associated with the youth in a bigger way. Mobile learning can provide support that enhancing training in a corporate business or other classroom environment. The mobile phone (through text SMS notice alerts) can be used especially for distance education or with students whose course requires them to be highly mobile and in a particular manner to communicate information regarding availability of assignment results, venue changes and cancellations, etc. While many think of mobile learning as delivering e-learning on small form other factor devices, or often referred to as e-Learning "lite", it has the potential to do much more than delivering courses, or parts of courses. It includes the use of mobile/handheld devices to perform any of the following:

- Deliver Education/Learning
- Foster Communications/Collaboration
- Conduct Assessments/Evaluations
- Provide Access With the Performance of Support/Knowledge
- Capture Evidence of Learning Activity

4. E-books:

E-book is itself an electronic book. An electronic book or digital book is a book-length publishing in digital form, consisting of text, images, or both, and produced on, by publishing through, and readable on computers or other electronic devices. Sometimes the equivalent of a conventional printed book, e-books can also be born with digital information. The Oxford Dictionary of English defines the e-book as "an electronic version of a printed book, but e-books can do and also exist without any printed information as a book equivalent. E-books are usually read as an dedicated hardware devices known as *e-Readers* or *e-book devices*. Personal computers and some cell phones can also be used to read e-books.

An e-Book is an electronic version of a traditional print book that can be read by using a personal computer or by using an e-Book reader. Some e-Books can be downloaded for free of cost or go to reduced cost also, however, prices for many e-Books - especially bestsellers - are similar to those of hardcover books, and that are sometimes similar to higher. Most e-Books at Barnes and Noble, for

example these books, are comparatively less costlier in price to their traditional print versions. These E-books are playing a great role in promoting education by going with positive trend and reducing the problems related with conventional books in terms of cost, size etc.

Conclusion:

Finally we are concluding that the final statement will go like this only in this current age we will go to the one and only one preference i.e. wireless services to provide one of the best services to avail the information in each and every nook and corner of the world to promote the education in variety of fields. The wire or wireless technology we are adopting to spread education is latest as well as uptill this date.

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