

Emerging Methods in E-learning and Teaching in School

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ABSTRACT

Liberalization, privatization and globalization (LPG) has significant impact on teacher education. Hence, there is need to revitalize the practices and curricula in teacher education. India is not an exception to it. At the national level is paved the way to frame Common core Curriculum in Teacher Education. NCTE has taken the responsibility, which is looking after quality and standards in teacher education at national level. On the other hand the liberalization and privatization resulted in expansion of teacher education institutions in India. This helped some people and institutions to organize programmes for profit making. Hence, the standards in teacher educations are deteriorated further. This is one side of the coin. Recent trends and emerging communication technologies posed certain challenges before teacher education. A product of this is e-learning. Hence, both conventional and distance teacher education programmes are focusing on the aspect of integrating communicative technologies through e-learning.

Keywords: Privatization, Communication Technologies, Globalization, Conventional, Innovations

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The communication and information technology is moving the field of education deeply. Education especially, its delivery is being revolutionized by the use of Information and Communication Technology. It has become an exponential source of information which eliminates away the barrier of time and space. Besides its interactive capabilities, the computer opens gate way to ocean of information. Here the communication linkage is through the computer network. The World Wide Web and E-mail links all resources based on information throughout the world. The internet is an effective communication tool. The text, visual graphic and even audio medium is utilized to discuss and exchange ideas among the people at global level. The students and teachers of higher education can share and seek latest information through specially designed networks. E-mail, INFILIB NET, E-publishing are some areas which are fast getting popularity in sharing knowledge and information from any part of the world. E-learning is at best adjunct to education, yet to integrate into pupils thinking at higher education level for sustainable interaction between learner and teacher in classroom. Hence the investigator made an attempt to study the attitude of Degree student towards E-learning and its globalization.

Objective of the Study:

1. To study the attitude of male and female undergraduate students towards globalization of E-learning.

2. To study the attitude of science and arts under graduate students towards globalization of E-learning.

E-learning:

E- learning describes learning process at a computer which is usually connected to a network, giving the opportunity to learn the required from anywhere at anytime.

In recent years E-learning is recognized as one of the methods of learning and some of the courses are offered based on E-learning. E-learning is an experience with new communication technologies hence, needs mastery of new knowledge and skills.

Traits of Successful E-learning:

E- learning is different in many respects from the face-to-face-learning. Many people are also of the opinion that they learn more from E-learning and their retention is higher.

The following are the traits of successful E-learners:

- Self-directed
- Motivated
- Comfortable with computers
- Able to use Email, Internet, Browser, Word Process
- Like to Read and Write
- Inquisitive
- Disciplined

- Independent
- Able to stay on task

Types of E-learning

E- learning comes in many variations and often a combination of the following

- Blended learning where a combination of both online and face-to-face learning
- Synchronous: Learning where the learner is online and interaction occurs without a time delay. The learner attends at specific times.
- Asynchronous: Learning where the learners is not online and interaction does not occur without a time delay allowing the learner to a participate on the schedule
 - Instructor led group
 - Self study
 - Self study with subject expert
 - Web based learning
 - Computer based learning
 - Video-Audio tape learning

Delivery Methods

E-learning takes place over the World Wide Web (www) or by CDROM. The following are few common delivery methods used in E-learning.

Print -(a) E-Text (b) Text books

Video -(a) Streaming video
(b) Video tape (c) Cable
(d) Satellite transmission

Audio -(a) Streaming audio
(b) Audio tape

Communication-

- (a) Forums Asynchronous
- (b) Email
- (c) Threaded discussion, web logs
- (d) Video conferencing
- (e) Tele conferencing

Learning styles

E-learning adopts learning styles like visual, auditory and tactile. includes

- (a) Reading (visual)
- (b) Listening (auditory)
- (c) Seeing (visual)
- (d) Speaking (auditory)
- (f) Doing (tactile/ kinesthetic)

The first three of the above mentioned (reading,

listening and seeing) are passive type of learning while the last two (speaking and doing) are active type of learning. The retention of the learnt concept depends upon the type of learning preferred and involvement of the type of learning preferred and involvement of the learners in learning. A combination of the above learning styles will be more effective.

Features of E-Learning

1. Learning is self-paced and gives students a chance to speed up or slow down as necessary
 2. Learning is self-directed, allowing students to choose content and tools appropriate to their differing interests, needs, and skill levels
 3. Accommodates multiple learning styles using a variety of delivery methods geared to different learners; more effective for certain learners
 4. Designed around the learner
 5. Geographical barriers are eliminated, opening up broader education options
 6. 24/7 accessibility makes scheduling easy and allows a greater number of people attend classes
 7. On-demand access means learning can happen precisely when needed
 8. Travel time and associated costs are reduced or eliminated
 9. Overall student costs are frequently less.
 10. Potentially lower costs for companies needing training, and for the providers
 11. Fosters greater student interaction and collaboration
- (l) Fosters greater student/ instructor contact
(m) Enhances computer and internet skills

Benefits of E-learning

There are many significant advantages for the learners who learn through E-learning. Here are just a few to consider

- (a) Convenience and Portability
- (b) Courses are accessible to the learner
- (c) Physical attendance of the learner is not required
- (d) learning is self-paced
- (e) It is unbound by time-at anytime
- (f) Unbound by place-study at home, work, etc.
- (g) Reading materials are online and can be downloaded at anytime

Cost and selection

- (a) Chosen from a wide range of course to meet the needs
- (b) Degree, vocational and certificate programs
- (c) Continuing education
- (d) Wide range of prices to fit the budget

Flexibility

- (a) E-learning accommodates the preferences and needs of the learner
- (b) Chooses instructor led or self study courses
- (c) Skip over materials already known and focus on topics not learnt
- (d) Use the tool best suited to the learners learning style

Higher Retention

E-learning draws the motivation of the learner to the topics. Use of a variety of delivery methods to teach different types of learners is an advantage and the learners will have higher retention.

Create collaboration

Technology tools make collaboration among learners much easier. Since many projects involve collaborative learning, where the environment is far easier for the learner to work.

Global Opportunity

The global learning community is at the fingertips of the learner with E-learning. The technology used gives online and instructional designers the ability to build in tools that take the learners to the available resources.

Forums:

The learner can interact in the forum online created for a specific learning activity and can get his/her doubts cleared. A learner can create forums and call for conferences online for better understanding of the subjects. New innovations in E-learning are taking place because of the 'Open End Character' of the emerging technologies.

Learning Models:

Constructionist approach to learning
 Learning is its own reward
 Learner contracts
 Multi-tasking while learning

Opportunities in Indian Context:

Instructor led training (IRT) in classroom
 Text based training, CD-ROM delivery
 Web based training
 Self paced independent learning
 Internet delivery of live instructor led classes.

Conclusion:

E-learning is one of the important methods emerged in the globalization process after coming into World Wide Web services. Learning takes place to the optimum level, where the learner is motivated himself/herself and there is no time and space barrier at the time of motivation. Hence, the human history has reached that peak of learning where education is time-less, space-less and spontaneous i.e. E-learning. These seeds of education which are emerged and perfectly utilized by western societies in both conventional and distance teacher education with much cost effectiveness can be followed by the Conventional Universities and Distance Education Institutions to run Teacher Education. Programmes for both preservice and Inservice teacher. Otherwise, the Conventional Universities and Distance Education Institutions in India cannot raise the standard in the teacher education programmes offered by them.

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