



Article : NEED AND CHALLENGES IN MOBILE LEARNING (M-Learning) PROCESS

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Introduction :

We are all living in a society where too many changes about the information and technology takes place. Some people need to learn more and follow ever step of the new modern technology. Some people couldn't follow in every item of changes because have some obstacle, in the reality, we need to learn more and more about the technology because some item also get involve in our life such as mobile phone, computer, I-pad, internet and so on and so on..... No one deny because we realize that the word and society were change.

Technology is having more impact on education today than it has ever had. The cost of powerful of desktop computers has come down to the point where most schools can afford them. The internet had provided many activities and most places, including schools and colleges. Computers and communication technologies are found in more homes every year, children are growing up with technology. In most cases, you simply need to learn the practical uses of new machines today and to develop some idea of what the future may hold. Educational technology is the study and ethical practice of facilitating learning and improving performance by creating, using and managing appropriate technological processes and resources. The term educational technology is often associated with, and encompasses, instructional theory and learning theory. While instructional technology covers the processes and systems of learning and instruction, educational technology includes other systems used in the process of developing human capability. Educational technology includes, but is not limited to, software, hardware, as well as internet applications and activities.

Scope of educational technology :

Educational technology got developed as a new subject in the field of education for the last few years. The term 'Education' includes teaching ,learning and instruction and training, similarly the scope of educational technology is also much wider. The below mentioned technologies are included.

- 1] Behavioral Technology
- 2] Instructional Technology
- 3] Teaching Technology
- 4] Instructional Design
- 5] Training Psychology
- 6] Cybernetic Psychology
- 7] System Analysis

Learning occupies a very important place in our life. Most of our behavior is mainly influenced by what we learn and how we learn it. It is a lifelong process that involves constant change, adjustment and development out instinct, attitudes, appreciations, skill and ability are primarily the product of learning. Learning implies acquisition of knowledge and skills on one hand, modification of behavior on the other hand. It is measured in terms of improvement of behavior. In the world of skinner, Learning is not acquiring knowledge or skill mere mechanical repetitions. It is a process in which the learner organizes different elements and experience to reach a particular goal. Advancement in science and technology make the learning process so easy and possible without geographical barriers. The usage of non print media such as Educational Radio, Educational Television, and computers enhance the process of learning become learner centered process.

System Approach in educational Technology :

The system approach can be applied to develop an instruction system. The first step in system approach is identifying the task of performed. After task problem is identified one should analyses the details of the situation. The objectives of the system are to be stated in operational terms. After once objectives have been decided one must specify the best materials and methods to be employed for achieving the objectives and effectiveness of design should be tested with a representative group. Thus the careful analysis of the test results will reveal the necessary revisions in the instructional system.

Education system around the world use the new information and communication technology to teach student the knowledge and skill need in the era of globalization, teacher education institutes are feed with the challenges of preparing a new generation of the teacher for effectively use of the new learning tool in their teaching practices. The use of **M-Learning** to collect real data to increase the students responses interaction and information. The mobile has lower-cost, mobility and general availability motivate our activities such as classroom activities, co-curricular activities and research activities on their use. The implication of M-Learning are potentially for reaching and are still being explored and debated, learning communication are still grappling with significant

pedagogical, cultural and business issues. This M-Learning role is to provide academic as well as learner support to bring information learning project to be collaborative development and express there ideas.

Need and Significance :

The fact with student teacher is that their growing familiarity with internet and mobile devices, there could have been paradigm shift and perception has evolved, the second possibility is that students are much more at ease with such device like mobiles and so this task through looks hard but actually its so basic and appealing to them (Santally.et.al;2006). It is clear that for the students, the teacher has a vital role in supporting the learning process. Now a day's 3G networks can bring about a revaluation in the learning environment in which students can attend the 'live' lectures even when they are on move.

Mobile Learning :

Mobile Learning (M-Learning) aims at making the learning process more flexible, accessories and personalized. M-Learning is the acquisition of any knowledge and skill using mobile technology, anywhere any time that result an alternation of behavior. It can be define as learning that's happen across locations or that takes advantage of learning opportunities offered by portable technology, learning in a mobile society. M-Learning facilitates performance support at the point of operation and enables workers to learn that they want, where they want, and when they want M-Learning improves access to information that people can update their knowledge continuously to satisfy the demands, which want to improve culture experience of life.

M-Learning Current Practices:-

The learners use to mobile share photo and news with classmates and teachers via the mobile phones. M-Learning provides an opportunity to get touch with the group of hard to reach learners. Every student participate in mobile learning has equal opportunity to make quality presentation, communicate with faculty and access course materials without waiting for the campus computers. Student have to access and assignments and results. Student use mobile phones to collaborate with peers, faculty and experts in their area of study. Mobile devices have mainly used for:

Gathering responses from students >Collaborative data gathering >Supporting communication among group members >Helping the co-ordination between the learning activities >Enhancing the students engagement >Having effective interaction between student and teacher>Easy adoption to student and teachers >Accessing word, phrase translations, and practicing new word in language learning >Creating learning community >Assessing to a variety of learning resources >Enhancing self-direct learning

Research On M-Learning :

(Distance Education) The main advantage in higher education is collaboration between student with the sharing of information and questions resulting in both are asking and answering questions they may not otherwise have through of. Certainly the integrative nature of learning is increased compared to text books. To solve the problem of space the educational technology has come forward. The development of technology of communication has placed at our disposal, the means to transfer knowledge more effectively to a large number of receivers at multiple points at the same time irrespective to the distance between the source and receivers, Hence distance education is the process of education even when the teacher is not present physically among the learners. The use of mobile technology in distance education could provide more flexibility of learning.

SMS And MMS Facility :

SMS (Short Message Service) System make a student to feel positive, convenient and personal than Web Email system was considered as significant to spread information about lecturers and class correction in the scheduled. MMS (Multimedia Message System) Among teachers will lead to more and more possibilities for M-Learning.

GPRS :

Blue tooth and GPRS (General Pocket Radio Service) are use in paperless education, when the traditional classrooms were replaced by electronic tools. Teaching may be consider as a sort of communication. When the students understand the communication they will respond to it in the appropriate way. The students were strongly encouraged to communicated and learn together.

Language Learning :

The abundant features and availability of mobile technologies enhance the feasibility of mobile language learning. The mobile learning with smart phone has the measurable impact on second language learning than online learning with personal computer.

Challenges to M-Learning:

The main technical challenges to the mobile are connectivity, Battery life, Interacting with small devices, Continuing expansion of broad band wireless networks, Low resolution of displays, Diversity of operating system. The other challenges are develop an appropriate theory of learning for the mobile age, design of technology to support a lifetime learning, tracking of result and proper of this information, how to support learning across many contexts. The training of M- Learning challenges like widely dispersed staff / students base, constant mobile workforce, rapid deployment of training, full stop from their jobs to the classroom.

Conclusion :

It is most important to increase about mobile student

Digital city station and digital society has new born concepts.

M-Learning process and data base management and paper less work management must be development.

M-Learning process is most important for syllabus and educational planning.

References :

1. www.google.com
2. www.m-learning.org
3. Singh, V. (2005). Practical approach to educational technology. New delhi, Akandha publishing house
4. Dr. Sharma, Dr. Saxena (2010) U.G.C. net /set condensed study material

