

E-learning as a New Dimension for Improving Quality of Education

Dr. Prashant Pagare

*Department of Education, Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad, Maharashtra, India*

ABSTRACT

Today's Technology are generally expected to utilize some form of Information Communication Technology in regular teaching practice The use of ICT in the classroom can create innovative teaching opportunities for learner –centre learning without giving them stress. it is an important teaching learning process tool to transfer the present isolated teacher centre environment into a rich student centre environment.

Information Technology implies telecommunication involving a combination of computers, networks, satellites, telephones, radio, television and the like. Creating e-learning projects in campus it's both challenging and exciting .Fortunately, they are many e-learning & multimedia applications. this resources involve not only hardware e-learning & Multimedia is an innovative teaching and learning method .It is the combination of various digital media types such as text ,images ,audio and video ,into an integrated multi-sensory interactive application or presentation to convey information to the learners. This paper mainly intended the e-learning facilities for improving quality of the teaching, learning process of education system.

Key words- learner centre, multimedia, new dimension

Today's Technology are generally expected to utilize some form of Information Communication Technology in regular teaching practice The use of ICT in the classroom can create innovative teaching opportunities for learner –centre learning without giving them stress. it is an important teaching learning process tool to transfer the present isolated teacher centre environment into a rich student centre environment.

In traditional model, the learners congregate into classrooms according to grade structure and under the limits of space and time. The classrooms have administrative and teaching supports. Sometimes it may lead to over crowded and unsafe environments which are unfit for learning. The capacity of ICT's to reach students in any place and at any time has the potential to promote revolutionary changes in the traditional education paradigm.

There is an increasing need to incorporate information and communication technology with education .Teacher education has to share the responsibility to prepare the teachers ,in in the line of information and communication technology .We need a vibrant ,dynamic system of teacher education attuned to the realities and possibilities of a society shaped by information and communication technology .(Joshi & Biswal 2002).

According to Bill gates in his book “The Road Ahead ” makes the following points relating to the change in the field of education and teacher education .He provides the direction and explained the role of teachers in the world of information and communication technology .

-It won't replace teachers: We will still need committed teachers.

-It will help collaborative efforts by students across the world

-It will not dominate the learning experience, but will effectively augment learning, especially outside the classroom .He says ,I am excited by their potential to let people pursue their interest easily and as far as they want to go.

-The computer provides endless answer to the inquisitive mind of students. This empower students of all ages to learn on their own rates .The teacher will remain essential, but as a guide

-Personal computer can give great latitude to individuals to exploit their own rates .The own rates .The teacher will remain essential, but as a guide.

-Personal computer can give great latitude to individuals to exploit their best style of learning and areas of interest. Personal computers makes cross-disciplinary learning too.

Information Technology implies telecommunication involving a combination of computers, networks, satellites, telephones, radio, television and the like. Creating e-learning projects in campus it's both challenging and exciting .Fortunately, they are many e-learning & multimedia applications. this resources involve not only hardware e-learning & Multimedia is an innovative teaching and learning method .It is the combination of various digital media types such as text ,images ,audio and video ,into an integrated multi-sensory interactive application or presentation to convey information to the learners.

This paper mainly intended some points for improving campus quality by using new ICT media.

This paper mainly intended the e-learning for teaching, learning process

Pedagogical approaches or perspectives: It is possible to use various pedagogical approaches for e-learning which includes:

Instructional design: the traditional pedagogy of instruction which is curriculum focussed and is developed by a centralized educating group or a single teacher.

Social –constructivist :this pedagogy is particularly well afforded the use of discussion forum ,blogs ,wiki and on-line collaborative activities .It is a collaborative approach that opens educational content creation to a wider group including the students themselves .The one laptop per child Foundation attempted to use a constructivist approach in its project

Laurillard's Conversational Model : is also particularly relevant to e-learning ,and Gilly Salmon's Five –stage Model is a pedagogical approach to the use of discussion boards

Cognitive perspective: focuses on the emotional processes involved in learning as well as how the brain works.

Emotional perspective: focuses on the emotional aspects of learning ,like motivation ,engagements ,fun ,etc.

Behavioural perspective: focuses on the skills and behavioural outcomes of the learning process. Role –playing and application to on-the job settings.

Contextual perspective: focuses on the environmental and social aspects which can stimulate learning .Interaction with other people, collaborative discovery and the importance of peer support as well as pressure.

Internet: - Many services operate via the internet. It is the vast physical network within which much modern digital culture exists. It's a mass of interlinked hardware and software from deep sea cables and telephone wires to desktop computers and mobile phones connecting an increasing large proportion of the worlds computing devices. The internet is becoming the town square for the global village of tomorrow. (Bill gates)

Blogging: - It is the idea that anyone who wants to could write a weblog or blog. A blog is an many ways a can no conversation. Where the internet is about availability of information blogging is about making information creation available to any one (George Siemens 2002)

on line publication to cover a specialist topic in exhaustive detail through words, images, sounds and videos.

Twitter: the world most famous micro blogging site twitter neatly embodies the concept. There are 140 characters in the maximum length in the case.

Social networking:- Social networking is the defining trend of the current phase of the internet development as the web more steadily from being a tool for finding and sharing information into tools for finding and relating to other people.

Smart Phones: - It is integrates. The various functions of telephone with more advance computing functions and in particular the ability to access internet services ranging from basic email to full browsing.

Pod casting in Education :

“A pod cast is a series of audio or video on the web that can be Catalogued and automatically download” One obvious use of podcasting in an Educational context is to create an archive of class lecture that students can listen to at their convenience.

Potential uses : Podcasting could be used for : News /updates , Guest Lectures , Student presentations, Student – product podcast , Interviews with Guest experts , Tours/field work , Internships /residencies , Feedback/evaluation of student work and supplementary material such as speeches ,music ,or other audio recordings and Short language lessons or other lessons that help students develop listening and speaking skills.

Electronic Publishing: is primarily used today to refer to the current offerings of online and web-based publishers ,the term has a history of being used to describe the development of new forms of production ,distribution ,and user interaction in regard to computer –based production of text and other interactive media .

Inter-net literacy program - Our teachers must be skilful to use Internet connectivity in a skilful way as Internet opens path for information. It requires skills & it requires academic judgements. That is called as internet literacy through various institute & Universities. It is not only useful to be internet literate but also content development in & format is a important. They search, download & create a mosaic of suppose material useful for a particular topic in the classroom teaching. This downloaded assembled material either in print or, pen drive or CD - Rom form. The teacher can use the classroom to make teaching learning process more interesting.

Organization of multimedia Training program - The new knowledge which is the output of basic research is shared globally sharing of technology is not without constraints & costs. Therefore Arrange training for teacher in be development of E-course. They can contribute in E-content development by producing a short duration multimedia material for a particular topic in a given subject. This requires mastery over using of appropriate tools for doing computer graphics & visual effects & similar things for the teachers.

To effectively Harness the power of the e-learning &ICTs to improve learning the following essential conditions must be met:

Students and teachers must have sufficient access to digital technologies and the Internet in their classrooms ,schools ,and teacher education institutions

Teachers must have the knowledge and skills to use the new digital tools and resources to help all students achieve high academic standards

Teacher education institution are faced with the challenge of preparing a new generation of teachers to effectively use the new learning tools in their teaching practices .For many teacher education program, this daunting task requires the acquisition of new resources ,expertise and careful planning.

Which System Requirements for e-learning process

- Shared vision
- Access to technologies
- Educators skilled in use of ICT
- Continuous professional development
- Technical assistance to maintain system
- Standards and resources
- Student-centred teaching style
- Continuous assessment
- Community support
- System support to institutions/individuals

Access for learner: learners get the learning material in electronic form

There should be downloading stations at the university, institute and colleges.

The learners should get the learning material in electronic form. This can be done by downloading from the Internet, or through e-mail, storing on a flash memory, storing on computer laptops or on mobile phones

E-learning can provide for major benefits for the organizations and individuals involved

Increased access: Instructors of the highest calibre can share their knowledge across borders, allowing students to attend courses across physical, political and economic boundaries. Recognized experts have the opportunity of making information available internationally and anyone interested at minimum costs.

Convenience and flexibility to learners :in many context, e-learning is self –paced and the learning sessions are available 24*7.Learners are not bound to a specific day/time to physically attend classes .they can also pause learning sessions at the convenience.

E-Learning provides a way for teachers to gain new knowledge and skills

The ease of access of information source develops the research spirit

Broader co-operation among individual within and beyond school is enabled through technologies

The availability of simulation, virtual –manipulation, graphic representation and rapid merging of data contributes to linkage in knowledge and leads to more integrated and g/better assimilated learning.

Teacher gain information on new instructional resources and availability of support for their use much more readily with ICT

Teacher co-operation with others both within and beyond the school when planning activities.

The orientation of planning is more towards students performing real works in co-operation with other students

Relationship between teachers and students more interactive and guiding rather than transferring information from teacher to student

Conclusion:

Teaching is a process which is systematic scientific and deliberate intended to bring about desired learning. Meeting the learning needs and creating the favourable learning environment is a challenging task for the present day education and teachers. The rapidly changing nature of available for any subject –specific learning educators must be imaginative, flexible and willing to renew their of teaching and learning if they are to fully realize the potential of educational technology. Therefore The teacher can be modified only by effective professional education which will initiate the teacher to be needed revolution in teaching and lay the foundations for their future professional growth. The teacher uses e-learning & multimedia to modify the contents of the material. It will help the teacher to represent in a more meaningful way, using different media elements. The progress of a country depends upon the quality of its teachers and therefore the teaching is the noblest among all professions.

References:-

- -Chitrasen, *Information technology in Modern Education*, Alfa Publications, New Delhi, 2007,108-134.
- Kaushik, V.K. & Sharma, S.R. *The Essentials of Teaching & Learning*, Anmol Publications Pvt. Ltd. New Delhi, 1997,166-185.
- -Gopal, p. & Mishra, R. *Computer Assisted Instruction*, Mahamaya Publishing House, New Delhi,2007, 340-47
- Pagare ,P. B.(2010) Use of blended learning approach in Teacher Education, Global learn **on-line**,
- Pagare ,P. B.(2012) ICT for Improving learning Environment in Campus,Nagpur: Hislop College Publication Cell
- Pagare ,P. B.(2011)M-Learning interactive too for teacher Educator Amravati: Shri Shivaji College of Education
- Agrwal, J. C. *Essential Of Education Technology :Teaching Learning*, Vikas Publishing House, New Delhi, 2007,45-68
- Chakroborti, M. *Teacher Education Modern Trends*, Kanisha Publisher, New Delhi 2006,102-124
- Mujibul, H.S. *Technology in Teacher Education*, APH Publishing Corporation, New Delhi,2004,
- -Radinschi, I. and Damoc, C. *The Role of Computer Simulations in Teaching-Learning Process*. Retrieved on August 20, 2010 from the World Wide Web: formtex.org/micte 2009, 1450-14
- Goel, D.R. *E-learning in teacher education*,H G Publication, New Delhi,2006,
- Boekaerts, M. *Self Regulated learning. International Journal of Educational Research*1999, 31/445.
- Cohen L Manion L & Morrison A *Guide to teaching Practice*. Routledged, London, 1996,
- Websites : <http://www.worldwidelearn.com>