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ELECTRONIC LEARNING ENVIRONMENT IN HIGHER EDUCATION

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1.0 ABSTRACT:-

Education to an individual means developments of social, economical, cultural, empowerment and many things else. Education gives vision and Vision gives mission. Vision is very much important for the transformation of the society. Electronic learning refers to the use of information and communication technology. As such major boon of the globalization is the information and communication technology applications to each and every part of human life including education at different levels. The ICTs has pervaded every aspect of human life whether it is health, education, economics, governance, entertainment etc. Dissemination, propagation and accessibility of these technologies are viewed to be integral to a country's development strategy. The most important benefit associated with the access to the new technologies is the increase in the supply of information. The application of ICT to education is known as Electronic Education. Electronic learning refers to the use of information and communication technology to enhance and/or support learning in tertiary education. But this covers a wide range of systems from students using e-mail and accessing course work online while following a course on campus to programmes offered entirely online. E- Learning can be divided into several different types. In all cases, campus- based institution is offering the courses, but using e-learning tied to the internet or other online network to a different extent information and communication technology.

KEYWORDS: social, economical, cultural, empowerment.

ELECTRONIC LEARNING

Electronic learning is commonly referred to the intentional use of networked information and communications technology in teaching and learning. It includes Online learning, Virtual learning, Distributed learning, Network and Web based learning. In this new millennium, Modern technology plays inevitable role in our lives. The technological revolution poses tremendous challenges to the educators to rethink their basic



tenets, to apply technology in creative way to redesign education. Teacher education really needs a lot of re-thinking on modernization, especially in the wake of growing globalization. Now-a-days electronic learning is the employment of technology to aid, it enhance and enrich learning. It can be as simple as school students watching a video documentary in a class or as complex as an entire University courses provided by Online.

ELECTRONIC CONTENT

The success of electronic learning is the quality of electronic content material on various subjects. It is defined as a package of data in electronic form. It can be developed in several

formats like Video based program or Web based program. The electronic education framework and infrastructure through personalization technologies will ensure 'access and success' in the field of education. Development of Meta-Database with reusable content granules and packaging of the content to suit individual needs is creating personalization of education enabled only by use of technologies. The learning technologies developed and used for learner-centricity and personalized education are termed as 'second generation'. Changing methods of content generation, content storage, content package, content delivery and hence offer a new paradigm of education, it achieves access and success to all; Substantial cost reduction; Learner autonomy; Just-in-time education; and Quality education for all.

VARIOUS IN ELECTRONIC LEARNING

There are various collectively establishing effective e-Learning environments. They are e-Books, e-Journals, e-Content, e-Magazines, e-Paper, e-Business, e-Pen, e-Reader, e-Mail, e-Publishing and e-Pedagogy. E-learning can be encouraged through audio or video-based web-conferencing programs, live chat, threaded discussion boards, blogs and e-mail. Some of the Synchronous and Asynchronous technologies which are playing a vital role in E-learning are palm pilots, web-based teaching materials and educational animation simulations. It provides instant feedback and encouraging interaction with other E-learners and E-educators.

ROLE OF E-LEARNING IN TEACHER EDUCATION

E-learning is important in teacher education because it can be improving the qualities of the learning experience, and it extends to reach of every teacher educators. It plays an important role in teacher education i.e. 1. Individualised learning; 2. Collaborative learning-- a wide range of online environment to develop the cognitive and social skill of communicating and collaborative; 3. Tools for teacher educators and teacher trainees to innovative--they design tools to enable teacher educators and teacher trainees to be innovative; 4. Virtual learning worlds--teacher trainees can take part in active and creative learning with others through simulations, role-play, real-world tools and devices, online master classes, or collaboration with other organisations; 5. Online communities and 6. Reusability of learning objects in E-learning.

E-LEARNING FRAMEWORK AND INFRASTRUCTURE

Education can now use the networking technologies for developing educational system. The Framework serves as a National and Regional infrastructure to support educational process of any provider Institution, individual and organization in India. Electronic education system requires the following framework and infrastructure 1. Network with latest hardware and technologies along with broadband connectivity and grid architecture giving network access to anyone, anywhere, anytime; 2. Software tools and techniques that enable creation of databases and information flows, offer facilities to learners, teachers and institutions to receive/give personalized education on a mass scale; 3. Content in E-formats on a knowledge grid that enables teachers and students get personalized curriculum of high quality, relevance and utility; 4. Educational delivery system that ensures quality and development relevance's of educational offerings (Development Education) for individual institutions and community; 5. Quality Assurance and Certification Mechanism to maintain competitively high and acceptable standards at National and International levels. Electronic education is expected to fulfil that role of education for all and simultaneously enable people to address many of the issues and concerns faced by the nation.

ADVANTAGE OF NETWORKED EDUCATION

The learner autonomy would employ learner freedom in deciding the goals, content and outcomes of education and the path of development to achieve the goals. Many of the problems and concerns could be addressed successfully by creating National and Regional Electronic education Network with a framework and infrastructure. By promoting teachers, experts, educational managements, industries and social and community leaders to the use of the Network for evolving various developmental models that could be addresses the problems of disparities, underdevelopment and disadvantages. Development and extensive use of network

would be enables to incorporate enabling functionality and related values in the programmes of the learning social groups and organizations using the Framework. Networking enables convergences of services offered by various providers. One obvious impact will be the convergences of modes of education. Formal institutions, Non-formal institutions, traditional Universities and Open Universities will be using distributed classrooms and Distance education technologies for reaching out to the remote learners. It promotes culture of participatory democratic decentralization, accountability and local relevance help in efforts for total development of a locality and local community.

VIRTUAL UNIVERSITIES

During the last few years, many Universities and colleges are getting ready to face the impact of globalization and emerging competition in the needs of marketing education by forming consortium of colleges and universities. The major approach employed is to partner with other colleges and universities and to offer the best available educational expertises, courses and services to the students both On-campus and Off-campus. Many colleges and universities have formed partnership-virtual universities-by using essentially 'first generation technologies' for becoming competitive and earning resources to support their institutional developments.

The concept of a virtual university is of a consortium of institutions, enabled by appropriate ICT applications, working together in a practical ways of planned programmes, develops the required contents and ensure the delivery of those programmes and support services to the learners. The virtual university will be as much concerned with "adding value" to conventional on-campus instruction as it is with serving learners at a distance.

CONCLUSION

Today's classroom practices are quite different from those of yesterday. Similarly, the classroom practices in the coming century may be quite different from those of today. One can easily find out the explanation for these differences in the obvious impact of technological innovations and inventions. The shape of future schools, colleges and universities is bound to be changed radically due to technological impacts in the years to come. There is a greater need to gear education and teacher education to meet the future requirements of the society utilizing the technological devices and chances. Educational technology has revolutionized the educational system. It has come in to stay forever for the enrichment of educational and instructional process and it has been greatly influenced the teaching and learning process.

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