E-education, information investors in people for relaunch economy

E-education, investiţie informaţională în oameni pentru relansarea economică

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Abstract

The paper addresses the issue of modern concepts of "e-education and e-learning", plus the models and the recovery of investment. The following are educational approach focusing on e-learning, using principles androgogic system E-learning, models for implementation of e-learning, plus a comparative analysis of standards and norms of global e-learning. Insertion peculiarities of international standards for e-learning(defining the standards and norms of international e-learning, the use of e-learning on the job market and the realization of e-learning focused on the correlation between strategic business objectives, infrastructure and evaluation system preparing staff). End of paper plays Six-Sigma methodology and the recovery of investment specific e-learning, the level of competence of the actors in the e-learning paradigm and implementation and benefits of online learning.

Keywords: *e-education, web-based learning, open and distance learning, androgogic model of e-learning*

Rezumat

Lucrarea abordează problematica modernă privind conceptele "e-education" şi "e-learning", la care se adaugă principiile, modelele şi elementele privind recuperarea investiţiilor. În continuare sunt prezente abordarea educaţională axată pe e-learning, utilizarea principiilor androgogice în sistemul E-learning, modele de implementare e-learning, plus analiza comparată a standardelor şi normelor mondiale de e-learning. Sunt inserate particularităţile aferente standardelor internaţionale de e-learning (elementele definitorii ale standardelor şi normelor internaţionale de e-learning, utilizarea sistemelor e-learning pe piaţa muncii şi realizarea sistemelor e-learning axate pe corelaţia strategică dintre obiectivele afacerii, infrastructura sistemuliu şi evaluarea rezultatelor pregătirii personalului). Finalul lucrării redă mtodologia Six-Sigma şi recuperarea investiţiilor specifice sistemelor de e-learning, nivelul de competenţă al actorilor în procesele e-learning, precum şi implementarea paradigmei şi avantajele on-line learning.

Cuvinte-cheie: *e-education, web-based learning, open and distance learning, model androgogic de e-learning*

JEL Classification: I22, L86, O32

The concept e-education

Education focused on the modern use of the Internet, is global as "virtual", given the use of some concepts with similar semantics: Learning through Web(Web-based learning), distributed learning(distributed learning), learning by computer, Distance learning, open learning or learning in the network, meaning "virtual" in general, combines interactive teleconference in real time, technology, TV, or information technologies. UNESCO organized several conferences devoted to computerization of education, based on the axiom that the preparation of science teachers is a fundamental requirement for the chaff, seen as key element of the entire system of training of all categories of human resources (Figure 1). It is expected that in the near future, ICT will be used in preparing the workforce in many directions: international tool utility(through global capabilities, regardless of area, region, continental, country, type of culture), verification of qualifications, retraining of the workforce, the degree of adaptability or update their knowledge, skills development and skills for implementing new technologies and concepts in data modeling/knowledge, and develop at different levels(global, regional, continental, regional, national, regional/departmental/country/state) or the development of knowledge and skills used for creating, producing, selecting, recovery, supervision and monitoring of data and knowledge in all areas.

Expected development of a culture through knowledge and information specialist expertise(including implementation of new guidelines and the reality of daily reports), training skills for identifying areas, activities, subactivităților, processes and operations that can be used effectively computers. It will provide the possible use of design-methodology and *implementation methods using systemic(Merise) and OO(UML),* plus knowledge of the principles of the use of common information. Will be to acquaint students/students with data processing and knowledge elements of knowing and theories BDD IA plus acquiring deeper by OO programming languages progarmare OO. Will be recorded to develop a model of mind and behavior to ensure solve global and specific requirements, synthetic and analytic in any field of human action and knowledge of advanced technologies on the communication equipment, development of cooperative relations with companies/authorities for profile on the international information retrieval with the current international RC.

Should ensure the creation and development of the mind, creativity and logical structure, operated in all fields and professions, a model of synthesis scale and amplitude of AI, effects of social, political and economic individual and community. Will be extensive and intensive use of the concepts of system, subsystem, application procedure, a model with supporting and promoting the work of any kind and nature(using the rules of social climate continues to change and innovation) plus security awareness, use and upgrade concepts and knowledge operators of Internet/Intranet/Extranet, VPN and VLAN.

E-learning principles, models and elements on the recovery of investments

Chaff implies that the social activities are focused on storage and use of information in electronic format and dialed through web pages mámor on the Internet, in this context the major universities available to university students on the Web, including the

principle of analytical programs contained synthetic/analytical content, figures, bibliography/webgrafie or keyword. PPG designed courses devoted to achieving performance and design programs, all services and used as tools of teaching through the RC, used in preparing the school, pupils, students, and doctoral masteriştilor. Networks specializing in teleducaţie(or KidLink ThinkQuest) allow treatment multilimbă stimulate connections for school and youth in the process of globalization, the Internet has clearly become an online business but also a formidable tool of study, learning and improvement.(chance of access to Internet facilities is not true for all continents, countries, or citizens of Mankind as a result of recording the digital divide phenomenon. Access to Internet facilities means progress can combine subscription that can be used processed information, articles and specialized books, information fast închegarea of research teams, access to the latest research reports, especially through tehnicilkor e-mail. Produce fundamental changes in computer-assisted technology, which creates a new paradigm educational changing unidirectional flow of information(teacher-student) flows through two-way/multi, interdisciplinary, collaborative, open and multiple. Information is viewed and manipulated untar. through the fundamental concepts of data, knowledges, the media and information.

Items media files containing audio, image, animation or design, to contain information among operational structures of the complexes formed comglomerate heavily processed consist of combinations of data elements knowledges or media.

Educational environment of the future will focus on idea development and administration of campus sites and virtual academies, seen as entities that will carry out all educational processes(teaching activities, research, masters, doctors, access to virtual library or social contacts).

Educatiotional technologies will be the prevailing type of video online, connect to the Internet through the university intemediul RC electronic interconnection-cooperation, in these circumstances will be recorded, as our opinion, some fundamental changes.

ICT-based approach will reverberate through the emergence, use and development of specific paradigms chaff: teleeducation, e-learning online-learning or distance learning. Teachers will guide you into infosferei, the roles of administration, monitoring, examination and jury.

Will ensure the elimination of states of inhibition, because the computers will also become colleagues, teachers or assistants, by assigning real quality electronic mentor because computers will embrace unity, hundreds of teachers the best qualified. Standard teaching materials will be into computer programs, manage, generalized, customizable and affordable.

Under these conditions, the computers will get the understanding and patient teachers, friendly communication, thanks to Web technology, features that will promote entrepreneurship among young people study.
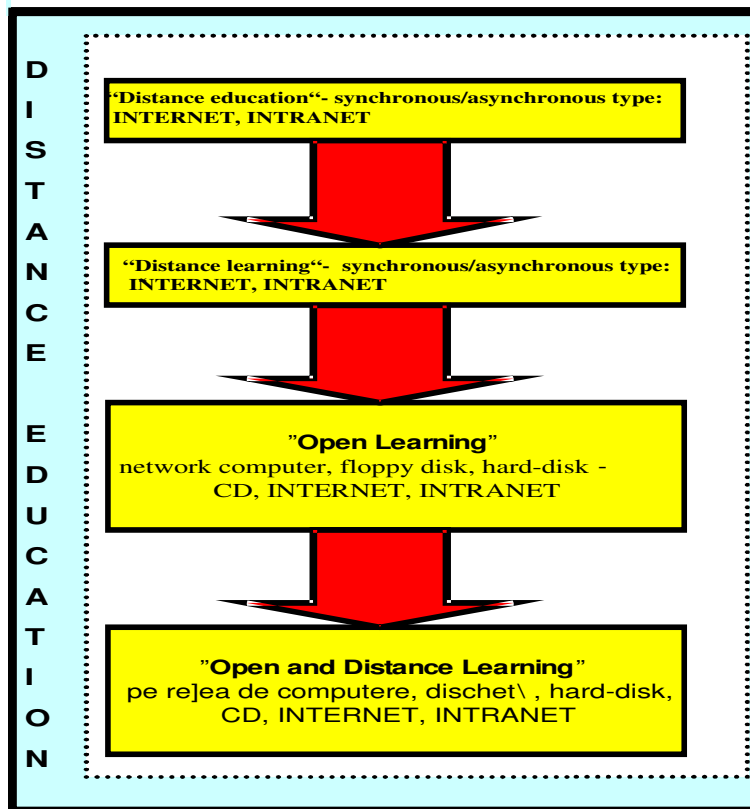
Figure 1. The components of distance education.

Will be developed new models of education that will ensure ownership of the variants knowledge, local/remote, individual/group, with trial versions of local/distributed geographically. E-learning is technology that keeps the educational standard of classical education, but radically change the ownership and transmission of knowledge through training and quality characteristics, what will allow the freedom of education in different locations, but within the calendar learner has time to study. E-learning is possible through treatment and multiple use of the information in the form of data (modeled through the database, with constructive alternatives, such as BDD, BDOO, BDDOO), Knowledge (utilzate through BC and BF, intermodal concepts involved in the IA) or in the form of media items (files used by a video image, text, picture, sound or animation). The e-learninig technology is providing content distribution information and education through information technologies. The prefix "e" in e-learning paradigm may have multiple meanings: exploration, extensibility, experience, efficiency and education (Figure 2).

The analysis standards and norms of global e-learning

Standards of e-learning supported worldwide are ADL (Advanced Distributed Learning), AICC (Aviation Industry CBT Committee), IEEE (Institute for Electrical and Electronic Engineers Learning Technology Standards Committee) and IMS(standards pilot Advanced Distributed Learning (Figure 3). ADL is an organization funded by the U.S. government in charge of research and development and innovation of specifications on encouraging the development and popularization of e-learning, the organization has achieved SCORM, which maxis elements of the known standards in (IEEE, AICC, IMS) through a consolidated specifications, which can be easily implemented. ADL has quality to improve current standards by synthesizing best practices in e-learning (best practices) and help links for developers of complex applications and content providers that can implement the specifications and standards for e-learning in a consistent and reusable.
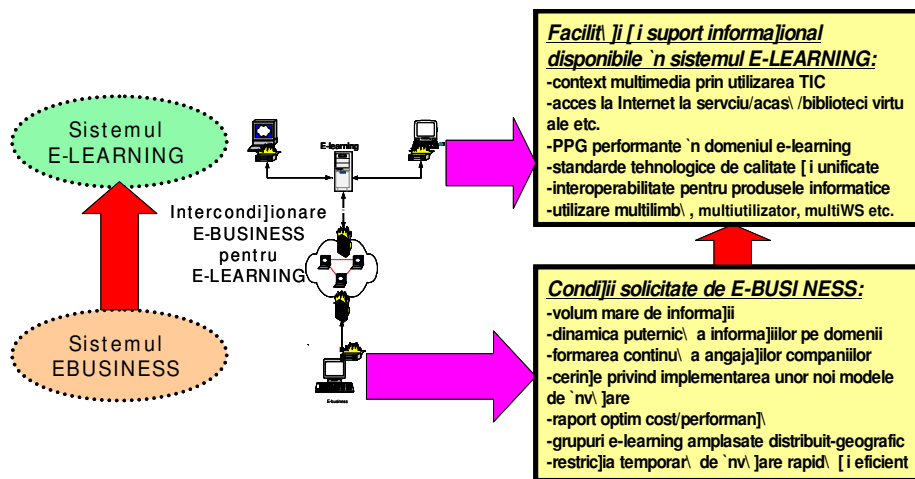

Figure 2.Inter-connexion E-usiness-E-learning.

AICC Organization is a group of professionals in the field of computer assisted education, aimed at achieving key rules and recommendations used in crew training in aviation industry, the best known group is making guide recommendations regarding interoperability coded CMI001. guide presents a set of variations for the content for the interaction with a variety of specialized systems MIC type or LMS. LTSC-IEEE is an international organization that develops technical standards and recommendations regarding systems and telecommunications hardware, IEEE standards are recognized and widely adopted worldwide. The original representative of the organization is called which is LTSC Learning Object Metadata specifications (Lom), which are defined groups and elements that can be described "OED" used jointly by IMS and ADL. IMS Global Consortium is an organization of suppliers and implementatorilor solutions e-learning, which focuses on the development of specifications based on XML to describe classes, lessons and themes for groups and students.

Implementation paradigm and benefits on-line learning

The specific applications of e-learning refers to the implementation of interfaces and operational performance, intuitive and logical, such that a qualitative trend in training students.

Administration to ease the summary/detail is achieved through access to mobility BD/BC and Internet Web pages.

Benefits on-line learning has the axiom that education focused on computer use will be appropriate because the chaff flexibility and extremely low costs, and minimize training costs, the possibility of updating the information used in the training, access time, the possibility completion operations through simulation SIAD, maximize interaction, interactivity between students and working together, using modern training structures, training of student-controlled, efficacy trials can automatic quantification of training, optimization of rapid processes of education, theoretically unlimited capacity for storage of information, plus possibility transformation processes of instruction in pleasant alternative use of time.
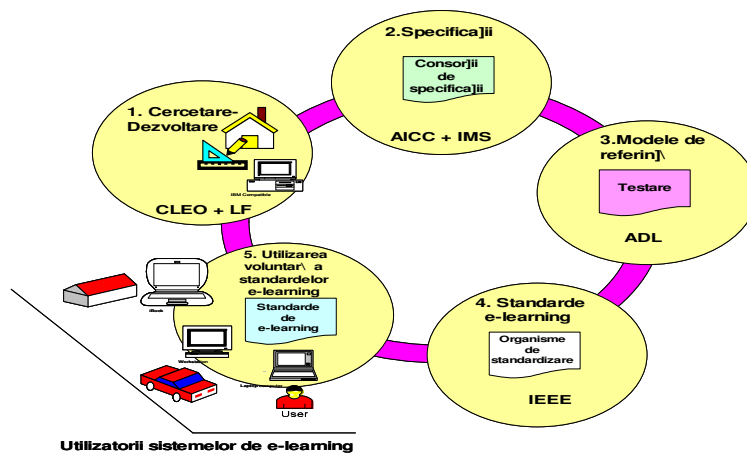

Figure 3.Procesul de generare mondială a standardelor de e-learning.

Virtually unlimited capacity for storage of information, becomes the real versions of data storage in a database of various types (BDD, database on-line database active BDOO, BDDOO), BC, BF, BG, or multimedia files (images, sounds, drawings or pictures).

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