Exploring the Role between E-Learning and Students' Skills

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Abstract
E-Learning has grown rapidly in recent years and continues to grow. Technology has played a large role in the growth of E-Learning and has made an impact on student's Skills. E-Learning is an important factor that helps to improve student's skills and knowledge growth and development, by continues changing on technology students can enter to take any information they need to and make it easy to find by a successful and easy way, So the purpose for this paper is to emphasis the role of technology – especially – the internet in education today, and the important of three components: technology infrastructure ,Environmental Adoption and Governments Regulations for success E-learning process.
Keywords: E-learning, University Portal, Students' Skills, Internet, Technology.

1.   Introduction

Each person in the life looking for improving its personality and working for increasing its knowledge, its ability to facing problems in its life and also improving its experiences in several fields of the life. Learning is always improving persons' skills and increasing their knowledge in many fields of the life. And always there is a positive relationship between learning and improving communications and personal relationship between persons. In these days there are significant changes happened especially with connecting learning with internet which mention as E-learning.

   E-learning is defined as involves the use of a computer or electronic device which connected with internet to provide educational or learning materials to beneficiaries. E-learning in these days making collecting data, acquiring knowledge and increasing amount of information for persons easier than before. E-learning allows a lot of benefits to its users such as it can be on demand. It providing at the time which appreciate beneficiaries and solved attendance and travel difficulties. Technology-enhanced learning has improved both from enhancements to earlier generations of face-to-face teaching and enhancements to earlier generations of distance education. Also it engaged intentional design of learning experiences has also improved to promote the most effective design to serve the learners, their life experiences and the opportunities and limitations of the particular environment.

2.   Previous Studies:

According to study by Bashorun & others (2012), in title "Impact of Web Portals on E-Learning" This study examined the impact and importance of e-portal on e-learning among university students, the benefits of using the portal and the problems faced by university students when using the portal. The results revealed that most of the students surveyed confirmed that the portal positively affects e-learning in the following ways: It is used as a supplement to pass information to learners as well as learning through electronic format; enhance information exchange, information needs and processing of each user; The problem of geographic dimension; and improving computer skills and information literacy.

Another important study by Chen (2011), he asked important question in his study: "Can Information Literacy Instruction Make a Difference?" , There is a common concern among universities' academic libraries that their own web portals are not sufficiently used Students in the universities The results in this study showed that giving the students the information literacy course in the use of the portal has positively affected the perceptions of participants in the library portal on the Internet in terms of perceived ease of use, quality of information, quality of the system and user satisfaction. However, this session did not have a positive impact on participants' perceptions of quality Service of electronic gates.
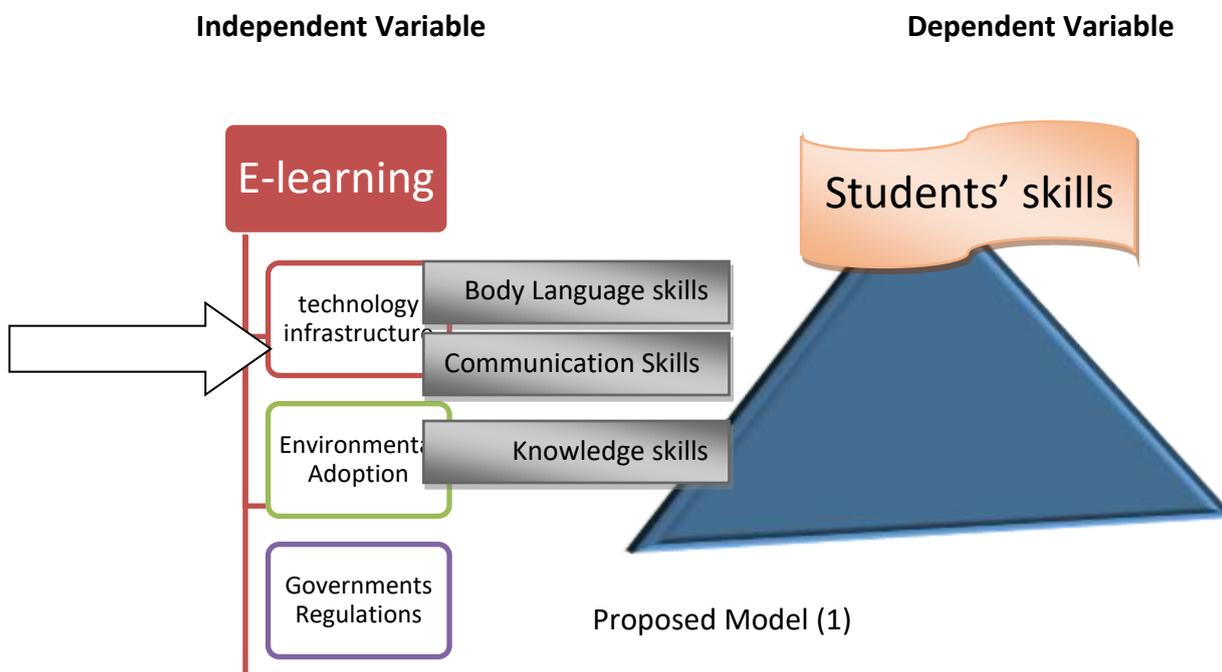
According to The objective of paper Student's acceptance and use of online registration systems in South African universities" by Koch and Brakel (2010),   is Determining the factors that influence the acceptance and use of the online registration system by students at the University of South Africa. The results show that, as far as there is no significant correlation between student expectation and behavior intentions, Good to predict the acceptance and use of the online registration system, but the study recommended the need to modify the facilities of the system of in order to obtain an electronic model better prediction.

According to research paper title "Developing a University Research Web-Based Knowledge Portal" jones& others. (2011) this research paper confirms that universities are an important knowledge base. But the problem is that researchers are not aware of all research activities and portals provided by their universities, which can be used in all research activities and this inevitably leads to repetition in the areas of research, low innovation and productivity, and faculty staff are not aware of Expertise and resources that can make a significant contribution and value added to their research efforts. This paper aims to discover web-based systems to connect researchers using knowledge management methodologies via an electronic portal. A team of graduate students and professor of management information systems design and analysis a study to determine the most web portal used in their university. Based on explorations, it was found that the university knowledge portal was developed to bridge the perceived gap in knowledge sharing and web accessibility within the university.

Finally Nasirun & others, (2010) concluded in the paper title "Perceived Web Service Quality for Students' Portal in Higher Learning Institution that The emergence of the Internet has encouraged organizations of all kinds to provide e-portals to enhance customer services in the face of intense competition between different organizations. Through the presence of web portals, organizations can publish different and necessary information to customers. Web portals can be categorized as either commercial electronic portal or non-commercial electronic portals. This study is a very useful tool for researchers and administrators of nonprofit organizations on the Internet, especially the web portal to improve the service provided to users

3. Suggested Model:

Based on previous studies related to E- learning the researcher develops the following model which reflect the strong relationship between E- learning and the student skills:

Independent Variable   **Dependent Variable**

Proposed Model (1)

Operational Definitions

Independent Variable (E- learning):

E-learning can be defined as: "An educational system to provide educational or training programs for students or trainees at anytime and anywhere using interactive ICT such as (Internet, TV channels, e-mail, computers, teleconferences ...) Another definition: e-learning can be considered as a method of education that is based on the provision of educational content and the delivery of skills and concepts to the learner on information and communication technologies and their multiple media in such a way that the student can actively interact with the content and the teacher and colleagues concurrently or asynchronously at the time, The learner and his ability, and the management of all educational scientific events and requirements in electronic form through the electronic systems allocated to it .Synchronous or asynchronous. "

The advantages of e-learning: There is no doubt that there is justification for this type of education is difficult to limit in this article, but it can be said that the most important advantages and justification and the benefits of e-learning are the following:-

1. Increased communication between students, students and school.
2. Express different views of students thanks to instant forums such as discussion boards and dialogue rooms.
3. Sense of equality: Since the tools of communication allow each student the opportunity to give his opinion at any time without embarrassment.
4. Easy access to the teacher as soon as possible outside the official working hours.
5. The possibility of adapting the method of teaching: It is possible to receive the scientific material in a way that suits the student, e-learning and its sources allow the possibility of applying sources in many different ways according to the best method

for the student, which contributes to the observation of individual differences between students.

6. The relevance of different methods of education: e-learning allows the learner to focus on the important ideas as it is written and compiled for the lecture or lesson each according to his own way.

7. The curriculum is available throughout the day and on all days of the week (24 hours a day, 7 days a week): to learn whenever you want.

8. Reducing the administrative burden for the teacher: e-learning allows the possibility of sending and receiving through electronic tools with the possibility of knowing the student's receipt of these documents.

The main components which needed to establishing E-Learning plat form:

1) Technology Infrastructure: Is the application of computers and telecommunication equipment. Commonly used as networks and also consist of other information distribution technologies as telephones. When talking about E-learning we talk about main aspect which uses a technology as main part of does it.

2) Environmental Adoption: E-learning one of the most recent aspects which enter to our life and will effect on the all diminutions of the environment, so most our environment adapt with it. If we want to adapt the environment with it we cannot enter it in rapidly because the environment has a high resistance against changes especially these which coming from electronic aspects. So, When we want to apply this new aspect "E-learning" in environment most entering it slowly to the environment to adapt with it.

3) Governmental Regulations: The term 'government regulations' can be used to describe any course of action which intends to change a certain situation,

Think of regulations as a starting point for government to take a course of action that makes a real life change. E-learning one of the aspects which affected by these regulations because governments adjusting these new aspects when they come to the environment to protected people from hustlers who exploiting this technology to themselves.

B) Dependent Variable (Students' skills

The ways of interact have many ways by writing, reading, speaking and communication. This consist three main components:

1) Body language Skills: Silent (noon-verbal) messages communicated through the sender's body movement, facial expressions, voice loudness, etc. In social psychology all behavior in presence of another person is considered communication, Also, called kinesics communications.

2) Communication Skills: It is known as a transfer of information from one side to another and there are many types of communication, including official, informal, verbal and written. .To complete the communication process, feedback must be obtained

3) Knowledge Skills: knowledgedefine as information that we are able to express. Knowledge is registered in the minds of individuals or stored in community documents, property, systems and processes, and knowledge is higher level of experience.

Conclusion

We live in the age of the third millennium, the age of human progress, as a result of the amazing scientific and technological developments that have taken place in this exciting millennium. The most important areas of progress are advances in computer science, information networks, digital technology and the rapid spread of Internet applications and education applications.

And the world is witnessing a development in the field of education, especially on e-learning, which is applied in the computer and technology and the global information network, which proved its output positive implementation, while still digital education in public and private universities education in Jordan, supervised by the Ministry of higher Education needs Necessarily to re-engineering the link between universities and students to become more electronic.

The aim of this research is to proposed applicable e-learning a model can be used in education in Jordanian universities (paperless university), due to the spread of the access of the World Wide Web to the information. This proposed model Link between three important aspects of e-learning: (Technology Infrastructure, Environmental Adoption, and Governmental Regulations) and Students' skills components: (Body language skills, Communication Skills, knowledge skills).

References

Jones, N, Provost, D., and Pascale, D. (2006) "Developing a University Research Web-Based Knowledge Portal", International Journal of Knowledge and Learning (IJKL), 2(1/2), pp. 106-118.

Jones, N., Meadow, C. and Sicilia, M. (2009) "Measuring Intellectual Capital in Higher Education", Journal of Information and Knowledge Management, Volume: 8, Issue: 2, pp. 113-136.

Koch AG. & Brakel P.A (2010), Student's acceptance and use of online registration systems in South African universities.

MT, Bashorun Adeyinka, Tella;; E.O, Adu.2012 ".Impact of Web Portals on E-Learning".ARPN Journal of Science and Technology.Vol.2.no.8.

Nasirun, N., Muhamad Noor, S., Mat Nor, Z., Ahmat, H., & Ahmad, Z. (2012). Perceived Web Service

Quality for Students' Portal in Higher Learning Institution. International Proceedings of Economic

Yang, M.H. , Chandlrees, N. , Lin, B. and Chao, H.Y. (2009), "The effect of perceived ethical performance of shopping websites on consumer trust", Journal of Computer Information Systems , Vol. 50 No. 1, pp. 15-24.

Yu, Y.L. , Chung, Y.F. and Chen, T.S. (2008), "Electronic signatures for long-term storage purpose in electronic anamnesis", International Journal of Innovative Computing, Information and Control , Vol. 4 No. 11, pp. 3047-3058.

Yu-Hui Chen.(2011) , Undergraduates' Perceptions and Use of the University Libraries Web Portal: Can Information Literacy Instruction Make a Difference, the American Society for Information Science and Technology, Volume 48, Issue 1, Pages 1–4.

Zhou, T. (2011), "An empirical examination of initial trust in mobile banking", Internet Research, Vol. 21 No. 5, pp. 527-540.