

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 3, December 2023

An Examination of Literature on Higher Education E-Learning Systems

Manish Sinha¹ and Dr. Nisha Abhijeet Auti² Research Scholar, Department of Computer Science¹

Research Guide, Department of Computer Science² Sunrise University, Alwar, Rajasthan, India

Abstract: Universities all around the globe are aggressively investing in e-learning systems to supplement their conventional teaching methods and enhance their students' performance and learning experience. This is because internet technology is growing at an accelerated rate. Nonetheless, the effectiveness of an elearning system relies on comprehending certain predisposing elements that impact students' adoption and utilization of these e-learning platforms. The purpose of this research is to explore the features, drawbacks, benefits, and key elements influencing the adoption of these technologies in the context of today's e-learning settings. The conclusion is that an effective e-learning system has to take organizational, technical, social, cultural, personal, and environmental elements into account.

Keywords: Educational technology, Online learning

REFERENCES

- [1]. Abbasi, M. S., Elyas, T., & Shah, F. (2015). Impact of individualism and collectivism over the individual's technology acceptance behaviour: A multi-group analysis between Pakistan and Turkey. Journal of Enterprise Information Management, 28 (6), 747-768
- [2]. Abbasi, M.S., Hassouna, M. & Shah, F. (2015). Social, Organizational, Demography and Individuals' Technology
- [3]. Acceptance Behaviour: A Conceptual Model. European Scientific Journal, 11 (9), 48-76.
- [4]. Al-Dmour, R., Obeidat, B., & Almajali, D. (2015). The Practice of HRIS Applications in Business Organizations in Jordan: An Empirical Study. Proceedings of the 4th Scientific & Research Conference on New Trends in Business, Management and Social Sciences (COES&RJ-TK15/1), Istanbul, Turkey, 19-20th September, 53-74.
- [5]. Alenezi, A., & Shahi, K. (2015). Interactive E-Learning through Second Life with Blackboard Technology. Procedia Social and Behavioural Sciences, 176, 891-897.
- [6]. Alenezi, H., Tarhini, A., & Masa'deh, R. (2015). Investigating the Strategic Relationship between Information Quality and E- Government Benefits: A Literature Review. International Review of Social Sciences and Humanities, 9 (1), 33-50.
- [7]. Alkalha, Z., Al-Zu'bi, Z., Al-Dmour, H., & Alshurideh, M. (2012). Investigating the Effects of Human Resource Policies on Organizational Performance: An Empirical Study on Commercial Banks Operating in Jordan. European Journal of Economics, Finance and Administrative Sciences, 51, 44-64.
- [8]. Almajali, D., & Al-Lozi, M. (2016). Determinants of the Actual Use of E-Learning Systems: An Empirical Study on Zarqa University in Jordan. Journal of Social Sciences, 5 (2), 1-29.
- [9]. Almajali, D. A. Masa'deh, R., & Al-Dmour, R. (2016). The Role of Information Technology in Motivating Students to Accept E-Learning Adoption in Universities: A Case Study in Jordanian Universities. Journal of Business & Management (COES&RJ-JBM), 4 (1), 36-46.
- [10]. Almajali, D. A., Masa'deh, R., & Tarhini, A. (2016). Antecedents of ERP Systems Implementation Success: A Study on Jordanian Healthcare Sector. Journal of Enterprise Information Management, 29 (4), 549-565.

DOI: 10.48175/568





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 3, December 2023

- [11]. Alshurideh, M., & Alkurdi, B. (2012). The Effect of Customer Satisfaction upon Customer Retention in the Jordanian Mobile Market: An Empirical Investigation. European Journal of Economics, Finance and Administrative Sciences, 47,69-78.
- [12]. AL-Syaidh, N. H. J., & Al-Zu'bi, Z. (2015). Transformational Leadership and its Impact on the Effectiveness of Employees' Behavior in the Public and Private Jordanian Hospitals. Jordan Journal of Business Administration, 11 (1), 23-57.
- [13]. Altamony, H., Alshurideh, M., & Obeidat, B. (2012). Information Systems for Competitive Advantage: Implementation of an Organisational Strategic Management Process. Proceedings of the 18th IBIMA Conference on Innovation and Sustainable Economic Competitive Advantage: From Regional Development to World Economic, Istanbul, Turkey, 9th-10th May.
- [14]. Arasteh, B., Pirahesh, S., Zakeri, A., & Arasteh, B. (2014). Highly Available and Dependable E-Learning Services Using Grid System. Procedia Social and Behavioural Sciences, 143, 471-476.
- [15]. Beurs, D., Groot, M., Keijser, J., Mokkenstorm, J., Duijn, E., Winter, R., & Kerkhof, A. (2015). The Effect of an E-Learning Supported Train-The Trainer Programmed on Implementation of Suicide Guidelines in Mental Health Care. Journal of Affective Disorders, 175, 446-453.
- [16]. Bouhnik, D., & Marcus, T. (2006). Interaction in Distance-Learning Courses. Journal of the American Society for Information Science and Technology, 57, 299-305.
- [17]. Callan, V. J., Bowman, K., & Framework, A. F. L. (2010). Sustaining E-Learning Innovations: A Review of the Evidence and Future Directions: Final Report, November 2010.
- [18]. Ceobanu, C., & Boncu, S. (2014). The Challenges of the Mobile Technology in the Young Adult Education. Procedia Social and Behavioural Sciences, 142, 647-652.
- [19]. Clark, R., & Mayer, R. (2011). E-Learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning. Pfeiffer; 3rd Edition (August 16, 2011).
- [20]. Darawsheh, S., ALshaar, A., & AL-Lozi, M. (2016). The Degree of Heads of Departments at the University of Dammam to Practice Transformational Leadership Style from the Point of View of the Faculty Members. Journal of Social Sciences (COES&RJ-JSS), 5 (1), 56-79.
- [21]. Draghici, A., Popescu, A., Fistis, G., & Borca, C. (2014). Behaviour Attributes That Nurture The Sense of E-Learning Community Perception. Procedia Technology, 16, 745-754.
- [22]. El-Masri, M., & Tarhini, A. (2015). A Design Science Approach to Gamify Education: From Games to Platforms. Twenty- Third European Conference on Information Systems (ECIS), Münster, Germany. 26-29 May 2015.
- [23]. FatihBaris, M., & Tosun, N. (2013). Influence of E-Portfolio Supported Education Process to Academic Success of the Students. Procedia Social and Behavioural Sciences, 103, 492-499.
- [24]. Fischer, H., Heise, L., Heinz, M., Moebius, K., & Koehler, T. (2015). How to Identify E-Learning Trends in Academic Teaching: Methodological Approaches and the Analysis of Scientific Discourses. Interactive Technology and Smart Education, 12 (1), 31-43.
- [25]. Fletcher, K. M. (2005). Self-Efficacy as an Evaluation Measure for Programs in Support of Online Learning Literacies for Undergraduates. The Internet and Higher Education, 8 (3), 307-322.
- [26]. Hubackova, S., & Golkova, D. (2014). Podcasting in Foreign Language Teaching. Procedia Social and Behavioural Sciences, 143, 143-146.
- [27]. Garrido-Moreno, A., Padilla-Mele, A., & Del Aguila-Obra, A.R. (2008). Factors Affecting E-Collaboration Technology Use among Management Students. Computers & Education, 51, 609-623.
- [28]. Garrison, D. R. (2011). E-Learning in the 21st Century: A Framework for Research and Practice. Taylor & Francis. Govindasamy, T. (2002). Successful Implementation of E-Learning Pedagogical Considerations. Internet and Higher Education, 4 (4), 287-299.
- [29]. Hajir, J. A., Obeidat, B. Y., & Al-dalahmeh, M. A., (2015). The Role of Knowledge Management Infrastructure in Enhancing Innovation at Mobile Telecommunication Companies in Jordan. European Journal of Social Sciences, 50 (3), 313-330.

Copyright to IJARSCT
www.ijarsct.co.in

DOI: 10.48175/568
ISSN
2581-9429
IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 3, December 2023

- [30]. Ho, C.L., & Dzeng, R.J. (2010). Construction Safety Training via E-Learning: Learning Effectiveness and User Satisfaction. Computers & Education, 55 (2), 858-867.
- [31]. Holmes, B., & Gardner, J. (2006). E-Learning: Concepts and Practice. Sage. Horton, W. (2011). E-Learning by Design. Wiley, London: UK.
- [32]. Iskander, M. (2008). Innovative Techniques in Instruction Technology, E-learning, E-assessment and Education. Springer. Jakobsone, A., & Cakula, S. (2015). Automated Learning Support System to Provide Sustainable Cooperation Between Adult Education Institutions and Enterprises. Procedia Computer Science, 43, 127-133.
- [33]. Kanaan, R., & Gharaibeh, A. (2013). The Impact of Knowledge Sharing Enablers on Knowledge Sharing Capability: An Empirical Study on Jordanian Telecommunication Firms. European Scientific Journal, 9 (22), 237-258.
- [34]. Keller, C., Hrastinski, S., & Carlsson, S. A. (2007). Students' Acceptanc of E-Learning Environments: A Comparative Study in Sweden and Lithuania. International Business, 395-406.
- [35]. Kim, K., & Moore, J. (2005). Web-Based Learning: Factors Affecting Student' Satisfaction and Learning Experience. First Monday, 10, 11-34.
- [36]. Krishan, T., & Bazazo, I. (2016). The Implementation of Digital Tourism and its Role in Promoting the Digitization of Communities and the shift towards Smart Tourist Cities. International Journal of Planning, Urban and Sustainable Development, 3 (1), 62-67.
- [37]. Liaw, S. S., & Huang, H. M. (2011). A Study of Investigating Learners Attitudes toward E-Learning. In 2011 5th International Conference on Distance Learning and Education (Vol. 12, pp. 28-32).
- [38]. Maqableh, M. M., Mohammed, A. B., & Masa'deh, R. (2016). Modeling Teachers Influence on Learners Self-Directed Use of Electronic Commerce Technologies outside the Classroom. Scientific Research and Essays, 11 (3), 29-41. Maqableh, M., Masa'deh, R., & Mohammed, A. B. (2015). The Acceptance and Use of Computer Based Assessment in
- [39]. Higher Education. Journal of Software Engineering and Applications, 8 (10), 557.
- [40]. Maqableh, M. M., Rajab, L., Quteshat, W., Khatib, T., & Karajeh, H. (2015). The Impact of Social Media Networks Websites Usage on Students' Academic Performance. Communications and Network, 7 (4), 159-171.
- [41]. Masa'deh, R. (2012). The Impact of Management Information Systems (MIS) on Quality Assurance (QA): A Case Study in Jordan. International Journal of Information, Business and Management, 4 (2), 93-110.
- [42]. Masa'deh, R. (2013). The Impact of Information Technology Infrastructure Flexibility on Firm Performance: An Empirical Study of Jordanian Public Shareholding Firms. Jordan Journal of Business Administration, 9, 204-224.
- [43]. Masa'deh, R., & Shannak, R. (2012) Intermediary Effects of Knowledge Management Strategy and Learning Orientation on Strategic Alignment and Firm Performance. Research Journal of International Studies, 24, 112-128.
- [44]. Masa'deh, R., Shannak, R., & Maqableh, M. (2013). A Structural Equation Modeling Approach for Determining Antecedents and Outcomes of Students' Attitude toward Mobile Commerce Adoption. Life Science Journal, 10 (4), 2321-2333.
- [45]. Masa'deh, R., Gharaibeh, A., & Obeidat, B. (2015). Knowledge Sharing Capability: A Literature Review. In Fourth Scientific & Research Conference on New Trends in Business, Management and Social Sciences, Istanbul, Turkey, 19-20 September 2015 (pp. 1-16).
- [46]. Masa'deh, R., Obeidat, B., & Tarhini, A. (2016). A Jordanian Empirical Study of the Associations among Transformational Leadership, Transactional Leadership, Knowledge Sharing, Job Performance, and Firm Performance: A Structural Equation Modelling Approach. Journal of Management Development, 35 (5), 681-705.
- [47]. Masa'deh, R., Al-Dmour, R. H., & Obeidat, B. Y. (2015). Strategic IT-Business Alignment as Managers' Explorative and Exploitative Strategies. European Scientific Journal, 11 (7), 437-457.

Copyright to IJARSCT DOI: 10.48175/568 ISSN 2581-9429 IJARSCT IJARSCT IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 3, December 2023

- [48]. Masa'deh, R., Tarhini, A., Bany, M. A., & Maqableh, M., (2016). Modeling Factors Affecting Student's Usage Behaviour of E- Learning Systems in Lebanon. International Journal of Business and Management, 11 (2), 299-312.
- [49]. McCombs, B. (2011). Learner-Centered Practices: Providing the Context for Positive Learner Development, Motivation, and Achievement (Chapter 7). Handbook of Research on Schools, Schooling, and Human Development. Mahwah, NJ: Erlbaum.
- [50]. Moravec, T., Stepanek, P., & Valenta, P. (2015). The Influence of Using E-Learning Tools on the Results of Students at the Tests. Procedia Social and Behavioural Sciences, 176, 81-86.
- [51]. Mothibi, G. (2015). A Meta–Analysis of the Relationship between E-Learning and Students' Academic Achievement in Higher Education. Journal of Education and Practice, 6 (9), 6-10.
- [52]. Mustea, A., Muresan, M., & Herman, C. (2013). Integrating E-Learning into the Trans disciplinary Methodology as a Solution to the Challenges of 21st Century Society. Procedia Social and Behavioural Sciences, 128, 366-372.
- [53]. Obeidat, B., Al-Suradi, M., & Tarhini, A. (2016). The Impact of Knowledge Management on Innovation: An Empirical Study on Jordanian Consultancy Firms. Management Research Review, 39 (10), 22-42.
- [54]. Obeidat, B., & Abdallah, A. (2014). The Relationships among Human Resource Management Practices, Organizational Commitment, and Knowledge Management Processes: A Structural Equation Modeling Approach. International Journal of Business and Management, 9 (3), 9-26.
- [55]. Obeidat, B., El-Rimawi, S., Maqableh, M., & Al-Jarrah, I. (2013). Evaluating the Profitability of the Islamic Banks in Jordan. European Journal of Economics, Finance and Administrative Sciences, 56, 27-36.
- [56]. Pieri, M., & Diamantini, D. (2014). An E-Learning Web 2.0 Experience. Procedia Social and Behavioural Sciences, 116, 1217-1221.
- [57]. Salter, S., Karia, A., Sanfilippo, F., & Clifford, R. (2014). Effectiveness of E-Learning in Pharmacy Education. American Journal of Pharmaceutical Education, 78 (4), 1-12.
- [58]. Scholtz, B., & Kapeso, M. (2014). An M-Learning Framework for ERP Systems in Higher Education. Interactive Technology and Smart Education, 11 (4), 287-301.
- [59]. Schepers, J., & Wetzels, M. (2007). A Meta-Analysis of the Technology Acceptance Model: Investigating Subjective Norm and Moderation Effects. Information & Management 44, 90-103.
- [60]. Shannak, R. (2013). Key Issues in E-Banking Strengths and Weaknesses: The Case of Two Jordanian Banks. European Scientific Research, 9 (7), 239-263.
- [61]. Shannak, R., Al-Zu'bi, Z., Obeidat, B., Alshurideh, M., & Altamony, H. (2012). A Theoretical Perspective on the Relationship between Knowledge Management Systems, Customer Knowledge Management, and Firm Competitive Advantage. European Journal of Social Sciences, 32, 520-532.
- [62]. Shannak, R., & Ali, M. (2012). Knowledge Management Strategy Building: Literature Review. European Scientific Journal, 8 (15), 143-168.
- [63]. Shannak, R., Obeidat, B., & Almajali, D. (2010). Information Technology Investments: A Literature Review. Proceedings of the 14th IBIMA Conference on Global Business Transformation through Innovation and Knowledge Management: An Academic Perspective, Istanbul-Turkey, 23rd-24th June, pp.1356-1368.
- [64]. Smith, B. (2009). Student Rating of Teaching Effectiveness for Faculty Groups Based on Race and Gender. Education, 129 (4), 615-624.
- [65]. Steven, R. (2001). Is Online Learning Right for you? American Agent & Broker, 73, 54-66.
- [66]. Sun, H., & Zhang, P. (2006). The Role of Moderating Factors in User Technology Acceptance. International Journal of Human-Computer Studies, 64, 53-78.
- [67]. Tarhini, A., Hone, K., Liu, X., & Tarhini, T. (2016). Examining the Moderating Effect of Individual-level Cultural values on Users' Acceptance of E-Learning in Developing Countries: A Structural Equation Modeling of an extended Technology Acceptance Model. Interactive Learning Environments, 1-23.

DOI: 10.48175/568





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 3, December 2023

- [68]. Tarhini, A., Elyas, T., Akour, M. A., & Al-Salti, Z. (2016). Technology, Demographic Characteristics and E-Learning Acceptance: A Conceptual Model Based on Extended Technology Acceptance Model. Higher Education Studies, 6 (3), 72-89.
- [69]. Tarhini, A., Teo, T., & Tarhini, T. (2016). A Cross-Cultural Validity of the E-Learning Acceptance Measure (ElAM) in Lebanon and England: A Confirmatory Factor Analysis. Education and Information Technologies, 21 (5), 1269-1282.
- [70]. Tarhini, A., Arachchilage, N. A. G., Masa'deh, R., & Abbasi, M.S. (2015). A Critical Review of Theories and Models of Technology Adoption and Acceptance in Information System Research. International Journal of Technology Diffusion (IJTD), 6 (4), 58-77.
- [71]. Tarhini, A., Hone, K., & Liu, X. (2015). A Cross-Cultural Examination of the Impact of Social, Organisational and Individual Factors on Educational Technology Acceptance between British and Lebanese University Students. British Journal of Educational Technology. 46 (4), 739-755.
- [72]. Tarhini, A., Hassouna, M., Abbasi, M.S., & Orozco, J. (2015). Towards the Acceptance of RSS to Support Learning: An empirical study to validate the Technology Acceptance Model in Lebanon. Electronic Journal of e-Learning, 13(1), 30-41.
- [73]. Tarhini, A., Hone, K., & Liu, X. (2014a). The effects of individual differences on e-learning users' behaviour in developing countries: A structural equation model. Computers in Human Behavior, 41, 153-163.
- [74]. Tarhini, A., Hone, K., & Liu, X. (2014b). Measuring the Moderating Effect of Gender and Age on E-Learning Acceptance in England: A Structural Equation Modelling Approach for an Extended Technology Acceptance Model. Journal of Educational Computing Research, 51(2), 163-184.
- [75]. Tarhini, A., Hone, K., & Liu, X. (2013a). Extending the TAM to Empirically Investigate the Students' Behavioural Intention to Use E-Learning in Developing Countries. Science and Information Conference (IEEE), United Kingdom, 07-09 Oct 2013.
- [76]. Tarhini, A., Hone, K., & Liu, X. (2013b). Factors Affecting Students' Acceptance of E-learning Environments in Developing Countries: A Structural Equation Modeling Approach, International Journal of Information and Education Technology, 3(1), 54-59
- [77]. Tarhini, A. (2013). The effects of individual-level culture and demographic characteristics on elearning acceptance in Lebanon and England: A structural equation modeling approach. (unpublished doctoral dissertation), Brunel University London, Middlesex, UK.
- [78]. Tella, A. (2012). System-related Factors that Predict Students' Satisfaction with the Blackboard Learning System at the University of Botswana. African Journal of Library Archives and Information Science, 22, 41-52
- [79]. Teo, T. (2014). Preservice Teacher's Satisfaction with E-Learning. Social Behavior & Personality, 42 (1), 3-6. Tsang, P., Kwan, R., & Fox, R. (2007). Enhancing Learning through Technology. World Scientific.
- [80]. Vratskikh, I., Al-Lozi, M., & Maqableh, M. (2016). The Impact of Emotional Intelligence on Job Performance via the Mediating Role of Job Satisfaction. International Journal of Business and Management, 11, 69-91.
- [81]. Wagner, E. D. (2008). Minding the Gap: Sustaining eLearning Innovation. World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2008. Las Vegas, Nevada, USA, AACE.
- [82]. Weimer, M. (2013). Learner-Centered Teaching: Five Key Changes to Practice. John Wiley & Sons.

DOI: 10.48175/568

[83]. Zamfiroiu, A., & Sbora, C. (2014). Statistical Analysis of the Behavior for Mobile E-Learning. Procedia Economics and Finance, 10, 237-243.

