THE RISE OF E-LEARNING

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ABSTRACT

The historical overview of e-learning is presented in this article. It describes the evolution of e-learning over the years after summarizing several studies into its beginnings. It has arranged, summed up, and clarified the development of e-learning historically. Additionally, a thorough survey of the literature concerning the origins and evolution of e-learning from antiquity to the present is presented in this study.

I.INTRODUCTION

The power of e-learning has been apparent, revolutionizing our approach to education and information acquisition. Education has seen a significant shift as a result of the digital age. E-learning, often known as online learning or distant learning, is the process of using digital technologies to facilitate learning experiences and distribute instructional materials. Developments in technology, more internet accessibility, and a growing demand for individualized and flexible learning options have all fueled the expansion of e-learning. In this piece, we'll look at the significant impacts of e-learning on education, as well as its benefits and drawbacks, and how it's changing the educational landscape in the digital age.

The e-learning phenomena has seen a notable upsurge in popularity and impact in recent years. With technology becoming more and more integrated into daily life, online learning environments, virtual classrooms, and interactive digital materials are changing the way that education is taught. This change has brought about new opportunities and difficulties for educators, students, and institutions alike, in addition to revolutionizing the accessibility and flexibility of education. This essay aims to investigate the complex development of e-learning, looking at how it has affected conventional educational models, how it might improve learning results, and what it means for education going forward in a digital environment that is changing quickly.

Global E-Learning Market Size, By Provider, 2021 – 2032, (USD Billion)

Source: www.gminsights.com
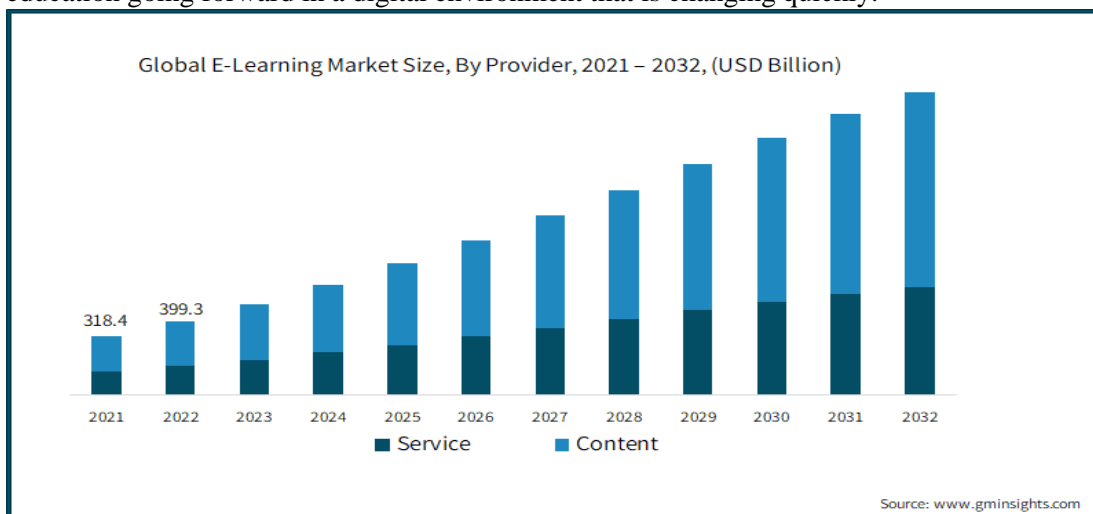
II.THE EVOLUTION OF E-LEARNING

The concept of e-learning is not new; it originated in the 19th century with the use of distant learning. The contemporary e-learning era was made possible by the internet revolution of the late 20th century. The growing popularity of computers and internet access opened up new possibilities for the online distribution of educational content. Offering a range of programs and materials to students worldwide has become easier for educational institutions thanks to Learning Management Systems (LMS) and e-learning platforms. The numerous forms that comprise today's dynamic and varied e-learning environment include online courses, webinars, virtual classrooms, and interactive learning materials.

III.MOTIVATION

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IV.METHODOLOGY

Design of Research Reviewing published studies and research on online teaching and learning was the research methodology used for this study. The studies comprised literature reviews from before 2008 and actual research from after 2008. Online education is defined operationally for the purposes of this study as a learning format that is utilized when students do not need to be in traditional classroom settings. Throughout the article, the phrases online instruction, online learning, online teaching, online education, and online courses are used interchangeably.

Selection Standards and Data Sources Journal articles and whole manuscripts served as the main sources for the literature. We carried out a three-stage literature search with the goal of examining how online education evolved and how the 2008 economic crisis influenced it. Stage I of the search started with the literature reviews that were published before 2008 as a basis for our investigation. Then, we looked through empirical papers released since 2008 using the stage II descriptors of online teaching, online learning, and online coaching.

Based on our preliminary results from Stage II, we broadened our search parameters in Stage III to encompass e-learning, teaching and instruction; computer-based courses and instruction; tele-courses, tele-teaching, and tele-instruction; Internet-based courses and instruction; e-learning, teaching and instruction; and virtual learning, teaching, and instruction. Online databases such as ERIC, EBSCO, PsycINFO, Content First, Google Scholar, SAGE Online, Project Muse, Education Full Text, and Academic Search Premier were the main sources from which we gathered data.

V.FUTURE RESEARCH

There is no denying that the field of online education will only grow faster than ever in the future. Given that this is most likely the case, additional research on the efficacy, effectiveness, and enhancement of learning has to be done. However, there is now a large vacuum in the literature, thus it may be that future studies should concentrate more on detailed examinations of online teaching strategies, their methodical application, and the best approaches for creating and teaching online courses. The topic of how to instruct students successfully in an online learning environment has been covered in this article. Nevertheless, the analyzed studies and research provide no empirical evidence to support the claim that students' academic outcomes have improved as a result of online education. Thus, future studies may establish a link between students' academic success and online learning.

Furthermore, the research may also concentrate on this area according to courses and disciplines as well as student levels in online education, such as undergraduate and graduate levels. A substitute for traditional classroom instruction, online learning emphasizes critical thinking and creativity (Wang, 2014). On the other hand, technology frequently dictates online courses (Callaway, 2012; Cole, Shelley, & Swartz, 2014), and they are primarily created for the technology's and the online system's convenience. In order to foster scholarly integrity and the formation of knowledgeable, unique viewpoints, additional research ought to delve into the ways in which technology and software might be utilized to involve students in many, continuous discussions through diverse online platforms.

Additional investigation is required to examine the ways in which group designs can influence social interaction and the feeling of a learning community while taking into account the diverse personalities, learning styles, and skill levels of group members. Prior research mostly looked at participant-sent posters. As a result of technological advancements, researchers must examine the functions of various technological tools, such as social media, virtual reality environments, and audio and/or video conferencing through platforms like Google Hangout and Skype, in fostering more fruitful social interaction and the development of a learning community.

VI.CONCLUSION

This study examined how online instruction affected classroom instruction during the COVID-19 epidemic. Several criteria were taken out of an extensive literature analysis. The engineering college was used as the base case for this survey, which asked students and faculty members about their perceptions of their performance during the pandemic, the effectiveness of eLearning techniques, and the long-term effects of this abrupt introduction of fully online learning. The parameters were categorized based on their relevance. The results of the study show that users had both good and negative effects from the adoption of e-learning.

The study's limitations included its location and the dearth of prior analyses of the COVID-19 pandemic's effects. In terms of recommended future research, the study's scope could be expanded by creating an educational model that blends the best elements of traditional and online learning. This model could then be used to create an emergency education plan that could be generally implemented in the event of a pandemic or other natural disaster.

VII.REFERENCES

- Aviation English serves as an example of how discourse analysis can be used to improve ESP teacher expertise (Sullivan P., Girginer H.). 2002;21(4):397–404; Engl Specif Purp. 10.1016/s0889-4906(01)00042-4 is the doi value. [Cross Reference] [Scholar Google]

- Adverse consequences of school closures. (n.d.). Retrieved May 05, 2020, from UNESCO website: https://en.unesco.org/covid19/educationresponse/consequences.

- 36. Strong R. Investigating Students' Satisfaction with eLearning Courses: The Effect of Learning Environment and Social Presence. *J Agric Educ.* 2012;53(3):98–110. doi: 10.5032/jae.2012.03098. [CrossRef] [Google Scholar]

- McAuley, A., Stewart, B., Siemens, G., & Cormier, D. (2010). The MOOC model for digital practice. Retrieved from http://www.elearnspace.org/Articles/MOOC_Final.pdf

- Chiang, J. K., Kuo, C. W., and Yang, Y. H. (2010). "A bibliometric study of e-learning literature on SSCI database," in Proceedings of the International Conference on Technologies for E-Learning and Digital Entertainment, (Berlin: Springer), 145–155.

- Honeycutt, L. (2011). Communication and design course. Retrieved from http://dcr.rpi.edu/commdesign/class1.html.

- Gupta, D., & Khairina, N. N. (2020). COVID-19 dan ketidaksetaraan dalam proses belajar di Indonesia: Empat cara untuk menjembatani kesenjangan. Retrieved from World Bank: https://blogs.worldbank.org/id/eastasiapacific/covid-19-dan-ketidaksetaraan-dalam-proses-belajar-di-indonesia-empat-cara-untuk

- Nwlink. (2010). Computer based training (CBT). Retrieved from Nwlink: http://www.nwlink.com/~donclark/hrd/history/cbt.html