



IMPACT OF VLE (VIRTUAL LEARNING ENVIRONMENT)

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INTRODUCTION

A pandemic has occurred during the past three years, and as a result, corporations and institutions are using a VLE (Virtual Learning Environment) strategy to satisfy their educational and business needs. The VLE platform made it evident that it can fulfil the conditions for its availability and purpose.

The Covid-19 outbreak had a significant role in information and communication technology (ICT), and solutions like virtual learning environments (VLE) are increasingly crucial. In pandemic conditions, higher education institutions can share, manage, maintain, and enhance their conventional teaching techniques by integrating a number of technologies into the virtual learning environment (VLE). The COVID-19 Pandemic made the use of VLE in the educational setting at Advanced Technological Institute necessary. Higher educational institutions, however, are more receptive to its popular application in this pandemic condition.

We've gone through a lot over the years, particularly when dealing with a virus that, in my opinion, put the world on freeze, and education was not an exception. I never imagined that you would be able to "attend courses" from home or turn in homework using a system intended for educational purposes. Students may study in their comfort zones without encountering any challenges, in my opinion.

I'm pretty sure there are moments when being in an environment that can help you focus makes your brain perform better or feel calm.

Also, I've come to understand that lecturers apply the VLE frequently and find it to be quite helpful. Not only do students want to study and grow in education, but instructors also want to become better at what they do, and they can without a doubt rely on virtual learning environments.

This report has been made to understand better the concept of VLE (Virtual Learning Environment) and to be able to know the difference between primary and secondary data collection and.

In educational technology, a virtual learning environment (VLE) is a web-based platform for the digital components of study programmed, typically within educational institutions. They give the many stages of assessment and present resources, activities, and connections within one course structure. The term "primary data" refers to information that has been collected directly by the researcher." Secondary data" is information that was gathered earlier by another party. Source as questionnaires, personal interviews, observations, experiments, websites, books, journal articles.

OBJECTIVES

This study aims to evaluate the current state of knowledge about students' access to virtual learning environments (VLEs) in higher education and more educational institutions.

The study will add to past research on the "end-product" (the VLE course itself) that was done by Stiles (2001), Evans, and Sutherland (2002). It demonstrates when accessibility problems initially appear in "critical path" VLE-based courses and offers suggestions for how accessibility for UK students using VLEs may be improved.

A detailed review of the literature, an online survey, and several student interviews provided the base for this study. It uses both quantitative and qualitative data.

I have known since my first days at university that a virtual learning environment will be a crucial element of my education. Anyone may access online resources at any time, and the platforms created to assist you will definitely make your life as a student easier.

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As I went a little deeper into the VLE concept, I've tried to see others point of view in regards of it. Many fellow students are very satisfied with the advantages of virtual learning environment while others are not familiar with the technology-based education.

RESEARCH METHODS

Primary Research

ADVANTAGES

Primary research meets the specific needs of the researchers. Because the study is based on the collection of actual facts, researchers are able to be very clear about the aims, objectives, and findings of the investigation (Young, 2013). It is current and provides more complete explanations.

While secondary data is quite economical and time-effective, primary data has several common advantages such as authenticity, specificity, and current information. Primary data is extremely accurate since it is frequently neutral and collected directly from the original source.

It can be done in a variety of ways:

Observation. Numerous insights can be gained through observing consumer behaviour; however, some questions may remain unresolved.

- Postal vote.
- Telephone consultations.
- Online elections.
- Personal interviews.
- Focus sessions.
- Market testing.

DISADVANTAGES

Time-consuming: Collecting primary data can be difficult and time-consuming at times. Things might get even more challenging if the research subjects don't cooperate. Also, primary research could be expensive.

Cost is yet another significant barrier for businesses and academics from using primary research. It was designed with a specific objective in mind, and using it frequently or for long, global studies might be pricey. However, online surveys—especially those that are DIY—are inexpensive.

More resources in terms of manpower and material may be required depending on the nature of the research project, such as a large multi-country ongoing survey that runs every month.

Secondary Research

ADVANTAGES

Convenience: Since secondary research may be done at home, at libraries, and at other related locations, it is usually convenient for researchers. It would be more enjoyable to read through a stack of books, magazines, journals, etc. while listening to background music and sipping coffee. Many students like the convenience of having resources close at hand and the comfort of home. **Budget-friendly:** Secondary research is often less expensive than original research. Due to the fact that the study is often done indoors, it is not extremely expensive. Similar to this, access to a lot of online material and information is now free. Consequently, secondary research helps experts save a lot more time (BBC, 2021).

Information accessibility: Information is accessible online thanks to advances in technology. Researchers can easily and easily download a large number of documents. As a result, research can be done immediately. There aren't many topics that researchers can think of that haven't received enough research! Similar to this, the Web is a cloud of knowledge.

DISADVANTAGES

Information that is no longer current: Data from secondary research typically contains inaccurate data. Therefore, the researchers can spend their time by searching over those data.

Secondary data might not be precise as well. It typically isn't provided in a way that would distinctly meet the needs of the researchers. Imagine searching through a library's worth of books and other relevant documents only to find that they miss of accuracy. It could often frustrate the researcher.

DATA COLLECTION AND ANALYSIS

I decided to run a VLE quiz because I wanted to know what my colleagues' opinions were and to determine whether we had the same knowledge. While I'm aware that it is helpful and assists the students, I also wanted to make sure that they understood the essential concepts, such as how a VLE is established, when it was introduced, and other main ideas.

We all understand the value of online education, so I tried to go above and beyond by creating a test rather than simply a questionnaire. I was curious to find out whether anyone else in my surroundings understood what a VLE is and what it stands for..

I've gathered not just information, but primary numeric data as well as secondary data.

1. What does VLE stands for? (20 points)

64% of respondents (9 of 14) answered this question correctly.

[More Details](#)

● Virtual Learning Experience	5	
● Virtual Learning Environment	9	✓
● Visual Learning Electronic	0	



Virtual Learning Environment (system for development of online education materials)

2. How VLE platform is used in education? (20 points)

71% of respondents (10 of 14) answered this question correctly.

[More Details](#)

- Gives access to educational content online 11
- Watch educational movies 1
- Online chats /meetings with your student colleagues 3



Online access to educational resources is provided by schools using a platform known as a VLE. PCs and other electronic items are possible choices. The most of virtual learning environments are produced by a single educational institution. a school, a university, or a college, for instance.

3. When was VLE introduced? (20 points)

29% of respondents (4 of 14) answered this question correctly.

[More Details](#)

- Cetus Conference, 2004 4 ✓
- Oxford Conference, 2006 3
- Harvard Conference, 2003 7



The idea of "personal learning environments" (PLE) has existed since the first VLE systems (the first recorded use of the term was at the Cetus conference in 2004). The argument suggests that students are free to select the environment in which they will learn.

4. What is a VLE administrator? (20 points)

50% of respondents (7 of 14) answered this question correctly.

[More Details](#)

- | | |
|--|---|
| ● Someone behind the computer talking to you | 0 |
| ● Someone in charge of VLE platform | 7 |
| ● Someone who manages Moodle system | 7 |



A VLE administrator is someone who manages the virtual learning environment (Canvas or Moodle) and associated programmes on a daily basis and offers technical assistance.

5. Is Microsoft teams a VLE? (20 points)

0% of respondents (0 of 14) answered this question correctly.

[More Details](#)

- | | |
|-----------------------------------|-----|
| ● Yes, definitely | 10 |
| ● Not yet | 4 |
| ● No and will probably never will | 0 ✓ |



Virtual classrooms are definitely here to stay. There has always been a demand for more digital learning, but today many students and teachers especially in higher education, expect it as a consequence of the COVID-19 challenge.

CONCLUSION

The appropriate VLE increases the social space of a classroom rather than creating an anti-social environment that deflects real life. It creates opportunities for polls, surveys, and discussion threads.

It enables students to turn in their work without having to find their teachers. It provides centralised storage for an infinite number of resources, such as papers, workbooks, and Power Point presentations. Teachers may refer to students or to other online resources, add YouTube videos, newspaper articles, and provide areas for student-made podcasts by using a VLE.

In addition, I want to point out that, if it hasn't already, a student's life will soon include a VLE because technology is improving year after year. Throughout the pandemic, I seen and experienced how helpful VLE is, and I can truly say that it really eased my life as a student. It's a terrific concept to have all the solutions and examples on a website dedicated to teaching, and I'm glad I can use it.

Reference List

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Barker, J. and Gossman, P. (2013). The learning impact of a virtual learning environment: students' views. *Teacher Education Advancement Network Journal (TEAN)*, [online] 5(2), pp.19–38. Available at: <https://insight.cumbria.ac.uk/id/eprint/1455> [Accessed 3 Sep. 2022].

Phungsuk, R., Viriyavejakul, C. and Ratanaolarn, T. (2017). Development of a problem-based learning model via a virtual learning environment. *Kasetsart Journal of Social Sciences*, 38(3), pp.297–306. doi:10.1016/j.kjss.2017.01.001.

Chou, S.-W. and Liu, C.-H. (2015). Learning effectiveness in a Web-based virtual learning environment: a learner control perspective. *Journal of Computer Assisted Learning*, 21(1), pp.65–76. doi:10.1111/j.1365-2729.2005.00114.x.

Goldberg, H.R. and McKhann, G.M. (2000). Student test scores are improved in a virtual learning environment. *Advances in Physiology Education*, 23(1), pp. S59-66. doi:10.1152/advances.2000.23.1.s59.

De Lange, P., Suwardy, T. and Mavondo, F. (2003). Integrating a virtual learning environment into an introductory accounting course: determinants of student motivation. *Accounting Education*, 12(1), pp.1–14. doi:10.1080/0963928032000064567.

Almpanis, T. (2009). *Virtual learning environments (VLEs) in higher education: tutors' perceptions of their efficacy*. Saarbrücken: VDM Verlag Dr. Müller.

Jain, L.C. (2002). *Virtual environments for teaching & learning*. River Edge, N.J.: World Scientific.