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Module: Digital Skills and Research Methods

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Assignment Title:

**Impact of Virtual Learning Environment (VLE) – Moodle on students’
the learning experience at the University of Wales Trinity Saint David London
Campus.**

Abstract

The assessment summaries mainly focus on the impacts on the academic experiences in the virtual system of Moodle. At the time of the pandemic, the University of Wales adopted the Moodle and VLE tools for the effective process of learning which provides a negative and positive impact on the faculties and students. The report also summaries that here discuss the learning experiences online with Moodle and here shows the impacts through the secondary and primary data collection process. The report determines the negative and positive impacts of the learning process virtually.

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Introduction

Aim

The purpose of the report focusses on importance of the LEARNING ENVIRONMENT in VIRTUAL way (VLE) and Moodle among students. This helps to improve academic experiences at the University of WTSDLC.

Background

After breakdown of the Coronavirus, Universities shut down the traditional way of the learning process which helps to prevent the spread of the virus it is also used as a precautionary measure which helps to stop the effects of the virus within the students. For that, the University of WTSDLC shifted the educational process through the learning environment in virtual ways. VLE plays a significant role in the situation of a pandemic. In the pandemic scenario, VLE helps to integrate various tools for the university and also promotes effective methods to share, store, manage and enhance the traditional approach to an effective teaching process. VLE promotes advanced technology in the university which increases the willingness of learning perspective within the students. This implementation helps to increase the quick learning ability of the students. The students who live in remote areas are the most implied for the technological environment. VLE also enhances the traditional classes and also helps to create the communication mode through the online courses. University provides support and training for the effective implementation of the VLE during the pandemic situation. VLE also became a beneficial option for both instructors and environments. The learning process through the VLE helps to improve the crisis of the educational process at the academic and institutional levels. University has adopted this learning process for that virtual engagements are enforced among the faculties and students (Vergara-Rodríguez *et al.*, 2022).

Rational

Virtual Learning Environment (VLE) is used as a learning and teaching tool in the University of Wales Trinity Saint David London Campus and is using VLE for effective experiences of learning within the students. This report evaluates the effects of Moodle and VLE on the aspects of the learning perspectives among the students of the university. This report also illustrated the different aspects effective online learning process which help to promote positivity within the students. VLE provides self-learning effectiveness which can provide improvement in the learning experiences.

Objectives

- To understand the influences of the advantages and disadvantages of Moodle (VLE) at the University of WTSDLC.
- To describe the various strategies that provide improved learning ability among the students at the University of WTSDLC.

Literature Review

Positive impacts

According to Mikhaylova and Kokodey,(2022), VLE is an online platform for students and it provides high-quality training and materials. Universities help to implement plans for the educational environment and also the development of skills. Digital learning experiences provide learning benefits which help to develop skills. VLE also changes the new educational techniques and it also allows a flexible way of teaching perspectives. For that online environment, VLE also provides benefits for the instructor and students. This online education environment allows lecturers and students to engage and communicate for an effective way of teaching experiences. Lectures also use the VLE facilities because it integrates the instructional materials and it also helps to develop interactive capabilities that provide file sharing, forums, and discussion making. Virtual Learning Environment (VLE) is used as a learning and teaching tool. VLE is mainly designed for the enhancement of the learning experiences within the students through the internet and computer facilities and to help to gain knowledge within the students in an effective way. This VLE is an important tool for the learning process because it helps teachers to plan for a lesson.

According with Portocarrero *et al.*, (2022), University creates an online learning environment which provides support activities for students to customise the online learning environment. This platform helps to receive the materials of the course, and help to view the podcast of the lectures. It also allows us to submit the assignment and help to communicate with other students and faculties of the university. VLE allows learners for online learning experiences through the mobile application and website and Moodle also helps to access the learning experiences from anywhere from a global perspective. This tool also helps to collaborate email applications, and virtual classrooms and provides sharing of the study content among the students. This also helps to manage the administrative process which helps to track the performances, activity and engagement level among the students. This tool additionally provides materials and also support to the teachers and students as per their needs. For that, the University of Wales Trinity Saint David London Campus is using VLE for effective experiences of learning among the students.

Negative impacts

According to Llerena-Izquierdo, (2022), The main disadvantage of the VLE, the system is conducting online learning experiences for which students face the lack of a direct construction within the participants and the process of educational. For this, it provides difficulties in the process of learning to the students and the student faces difficulties with the learning materials because of the direct contracts of the teachers and they could not input the high time. The student has to spend learning material for a long time and they have to develop their learning

perspectives based on the self-assessment perspectives. For that, students need help with the educational activities and they also provide an assessment based on time management. In accordance with Abdula *et al.*, (2022), Moodle is a technology-oriented software program for which students and teachers face difficulties with the system. Moodle is not used for the big projects that provide issues for the university learning programme. This system does not work in enough way for the learning experiences among the students. Students faced trouble with the tests and quizzes through moodle and the students could not access the content of the courses. The student also faces a shutdown of the website, blocking which can decrease the opportunity for the students to access the content of courses.

Research Method

Research Philosophy

Positivism is used for philosophical theory. It provides genuine knowledge on the aspects of the facts for the positive experience of the data. As a researcher, apply positivism for the primary research purposes that help to develop the concepts, and structure and help to get an overview of the research survey.

Interpretive research is focused on the assumption which is based on social reality and this research provides experiences based on the social context. As researcher uses interpretive philosophy which helps to collect data for the research perspectives to improve the learning experiences at the University of WTSDLC (Bowyer *et al.*, 2021).

Research approach

Deductive approach

The approach of deductive involves an initial beginning for the theory and it helps to develop the hypotheses for the theoretical aspects. This approach also gives an analysis and collection of the data to bring out the hypothesis of the research perspectives. The research uses deductive approaches which help to identify the research objectives to improve the learning experiences at the University of WTSDLC (Lyons *et al.*, 2021).

Research Design

The descriptive research design uses for the primary data collection and the method of descriptive research focuses on the descriptive of the feature of the segment of demographic. The research uses the descriptive design which identify the demographic segment for the research perspectives to improve the learning experiences at the University of Wales Trinity Saint David London Campus.

Explanatory research design used on the secondary of research method and exploratory research mainly focuses on the problem in the research perposes which helps to create a better understanding for the conclusive result. As a research explanatory design, the research

and this method help to get a better interpretation of the research perspectives to improve the experiences of learning at the University of WTSDLC (Huntington-Klein, 2021).

Research Method

Primary quantitative data is gathered based on the survey which is a close-ended question. Secondary Data is used from the published research aspects based on the statistical methods. Quantitative data are collected from the open-ended question aspects. As I am a researcher, I use data collection quantitative for the data collection primary and data collection method of qualitative for secondary research perspectives to improve the experiences of learning at the University of WTSDLC.

The mixed method is the combination of the qualitative and quantitative data collection method and this method helps to analyse uses for the research analysis in an effective way (McMorrow, 2022).

Sampling

Sampling size- In this research analysis there are 17 respondents for the sampling size is 17. This sample size is the number of individuals who help to research the study for the represented population.

A sampling of Simple random is used as the primary survey method and it is referred to as probability sampling. Therefore, researchers select a random subset from a large population. As a researcher, I use the sampling techniques which provide me with data from the respondents to analyse the research to improve the experiences of learning at the University of WTSDLC (Nagel *et al.*, 2022).

Thematic Analysis

Research Ethics

Ethics of research ethics provides an application of the activities in research for the design and implementation for research perspectives. As a lecturer, I maintain research ethics and I also engage in the library materials and I also get signatures from the lectures which help to maintain the ethics of research to improve the experiences of learning at the University of Wales Trinity Saint David London Campus (Hajirasouli *et al.*, 2022).

Research Findings

Primary Analysis

During the first analysis, the analysys are a total of 17 respondents and among them, 35.29% are strongly in agreement, 29.41% agreed, 17.65% in neutral, 11.76% in disagreement and 5.88% in disagreement that VLE is a flexible process. This finding provides a responses positive from the representatives.

Within second finding, Where the VLE system helps to save time, in the finding 23.53% strongly agreed, 29.41% agreed, 5.88% are neutral, 23.53% disagreed with responses and 17.65% strongly disagreed. This finding provides a positive response from the responses.

Within third finding, 29.41% with strongly agreed responses, with 23.53% agreed responses, With 23.53% were neutral response, 17.65% disagreed and 5.88% strongly disagreed with maintaining the continuity of the teaching and learning process. This provides a positive finding.

Within fourth finding, where 35.29% strongly agreed, 11.76% agreed, 11.76% were neutral, 29.41% disagreed and 11.76% strongly agreed that connective effect during the learning process. This also provides a positive impact on the finding.

In the fifth finding, where 29.41% with respondents strongly agreed, 35.29 responses with agreed, with 23.53% were neutral responses, 5.88% disagreed and rest 5.88% responses strongly disagreed that VLE can be effectively used for new language learning. This finding promotes the positive impact of the finding.

Thematic analysis 1” Positive effects of the VLE and Moodle for the online learning”

From the journal Smith *et al.*, (2022), for pandemic situations, VLE and Moodle play an important role in online learning for the University of Wales Trinity Saint David London Campus. VLE is an online platform for students and it provides high-quality training and materials. Digital learning experiences provide learning benefits which help to develop skills. VLE also changes the new educational techniques and it also allows a flexible way of teaching perspectives. For that online environment, VLE also provides benefits for the instructor and students. This platform helps to receive the materials of the course, and help to view the podcast of the lectures. It also allows us to submit the assignment and help to communicate with other students and faculties of the university. This also helps to manage the administrative process which helps to track the performances, activity and engagement level among the students to improve the experiences of learning at the University of WTSDLC.

Thematic Analysis 2” Negative effects of the VLE and Moodle for the online learning”

From the journal Smith *et al.*, (2022), Moodle is a technology-oriented software program for which students and teachers face difficulties with the system. Moodle is unused for the big projects that provide issues in the university learning programme. This process unable to work in enough way for the learning experiences among the students. VLE is conducting online learning experiences for which students face a lack of direct construction among the participants and the educational process.

Recommendation

University should improve the communication platform that helps to improve the online activity and student study through the online platform. They could not connect the teachers to the face-to-face aspects and they became less active during the online classes. University should promote a connecting way that helps to improve the effective learning experiences and the student also gets effective marks for the learning aspects.

University conducting classes through the online platform for that student faces connectivity issues among the e-learners. Universities should provide recorded classes which help improve the effective experiences among the learners.

There are several alternative e-learning platforms instead of the VLE and Moodle such as Google class, Zoom classes and Open edX etc which can increase the system of learning management.

Conclusion

The report concludes that the report discusses the importance of the VIRTUAL LEARNING ENVIRONMENT (VLE) and Moodle among the students. This helps to improve the learning experiences at the University of WTSDLC. The report illustrated the positively and negatively impacts of the online learning process. The study also discusses the primary and secondary research methods to improve the experiences of learning at the University of Wales Trinity Saint David London Campus.

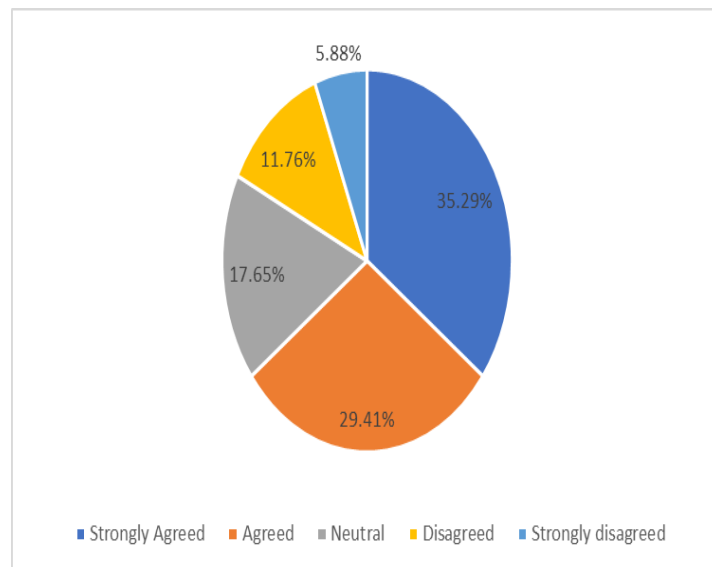
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Appendix

1. Do you think that VLE is a flexible learning process?

Deliverables	Total Respondents	Numbers of respondents	Percentages
Strongly Agreed	17	6	35.29%
Agreed		5	29.41%
Neutral		3	17.65%
Disagreed		2	11.76%
Strongly disagreed		1	5.88%

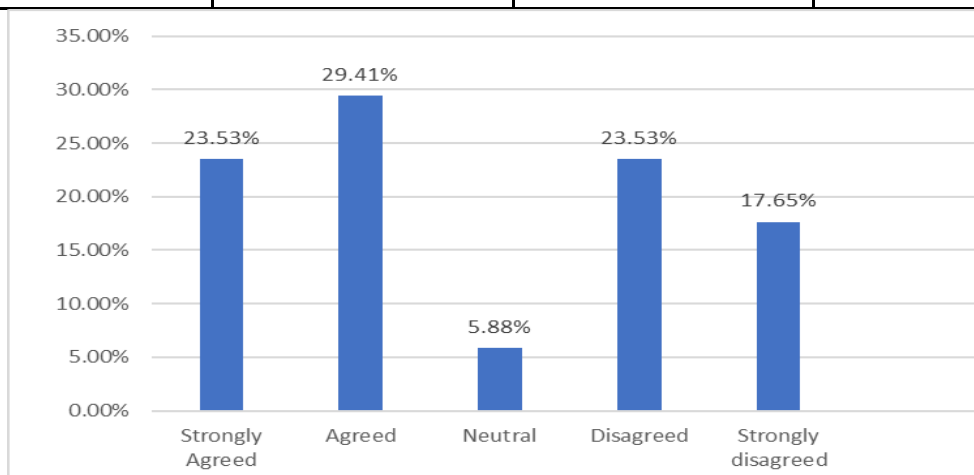


(Sources- Self-Developed)

2. Do you think that VLE helps to save time?

Deliverables	Total Respondents	Numbers of respondents	Percentages
Strongly Agreed	17	4	23.53%
Agreed		5	29.41%

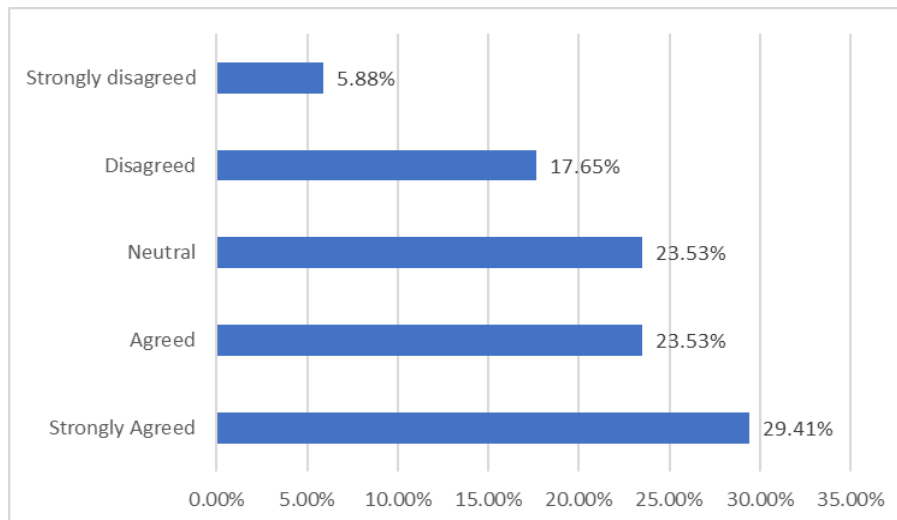
Neutral		1	5.88%
Disagreed		4	23.53%
Strongly disagreed		3	17.65%



(Source- Self-Developed)

3. Do you think that VLE helps to maintain continuity in learning and teaching?

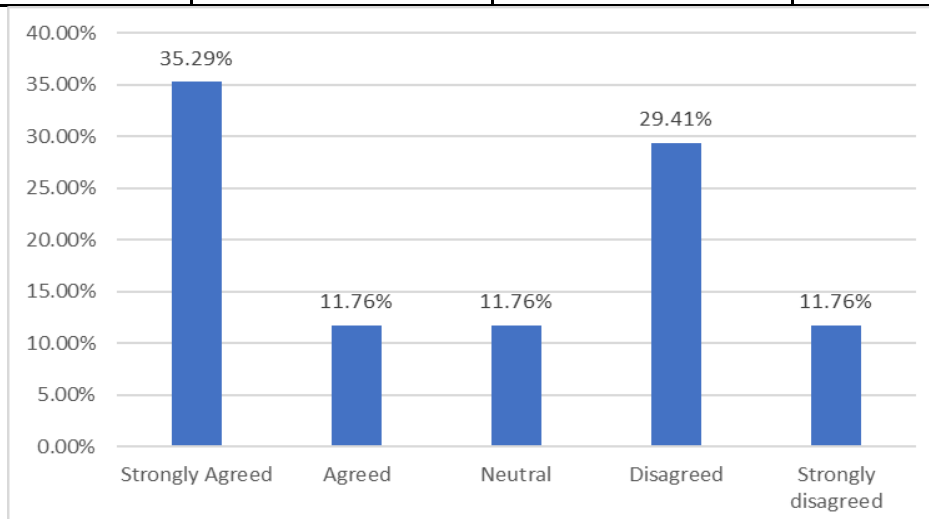
Deliverables	Total Respondents	Numbers respondents	of Percentages
Strongly Agreed	17	5	29.41%
Agreed		4	23.53%
Neutral		4	23.53%
Disagreed		3	17.65%
Strongly disagreed		1	5.88%



(Source- Self-Developed)

4. Do you think that connectivity loss affects the online learning process?

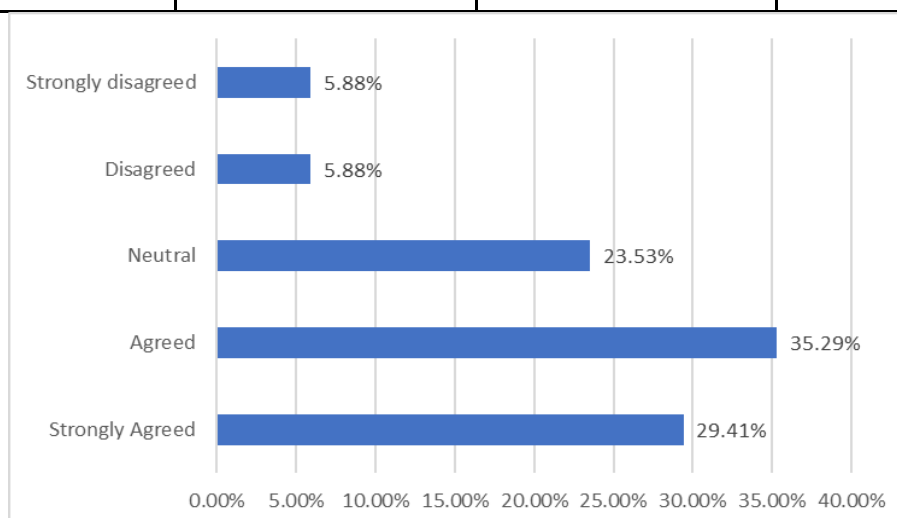
Deliverables	Total Respondents	Numbers of respondents	Percentages
Strongly Agreed	17	6	35.29%
Agreed		2	11.76%
Neutral		2	11.76%
Disagreed		5	29.41%
Strongly disagreed		2	11.76%



(Source- Self-developed)

5. Do you think that VLE is used for new language learning?

Deliverables	Total Respondents	Numbers of respondents	Percentages
Strongly Agreed	17	5	29.41%
Agreed		6	35.29%
Neutral		4	23.53%
Disagreed		1	5.88%
Strongly disagreed		1	5.88%



(Source- Self-Developed)