

Module name: DIGITAL SKILLS AND RESEARCH METHODS - BMSW4003
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TASK 2

HOW DOES VLE - MOODLE IMPACT STUDENTS LEARNING ?

Introduction

In today's digital world, e-learning is now one of the most effective ways to train students from afar (Razzaghi and Moghaddam, 2019). Experts also created a virtual learning environment that integrates teachers and students using a variety of open-source applications. Moodle is an open-source programme that offers a graphical user interface. The new research involves collecting primary data from students at the University of Wales Trinity Saint David London Campus in order to explore the effects of the immersive learning environment. Furthermore, secondary data is gathered from relevant published publications in order to expand on the present effect of the immersive learning experience on the university's current students.

Background of the study

Under the designated technology implementation, the interactive learning experience has a larger effect on providing a better result to the pupil (Herrera , 2018). The student's learning experience is really important, as it also reflects on the student's job growth, which helps colleges deliver quality education to their students.

The student's professional and personal growth expands his or her outlook on future capability advancement. The uwtsd university used the immersive learning platform to give useful knowledge to their students and to help them improve their interpersonal skills. This feature satisfies their professional needs.

The university has used the learning application tool to improve some internal activities, which improves their chances of advancement in their careers (Kapenieks, 2018).

The Covid-19 had an influence on the educational sector, and this had an impact on student career development as well as university encouragement to provide high-quality education. Moodle, a simulated learning programme, assists the university in providing instruction to students in this pandemic situation (Octaberlina and Muslimin, 2020). This pandemic condition is a nightmare and also altered the educational system, increasing the chances for a specific sector that has emerged at the time of online classes. As a result, the data has been collected on the educational system implementation process in order to improve the student viewpoint on education.

Objectives of the Study

This study focuses to identify the impact of the virtual learning environment.

The researcher also considers the student's own view about whether or not using Moodle as an online learning tool has an effect on their education. The researcher is also interested in determining the utility of Moodle within the university and among its students. This research also focuses on comprehending the Moodle prospectus, which is regarded as a superior learning application.

The researcher also develops the idea of learning efficiency as encountered by students at that university based on their level of comprehension. This aim is to assist the researcher in comprehending the implications of using a virtual learning application or creating a virtual learning system within the university. This are the goals that also help the reader to achieve the future goals required to develop the research work.

Review of the Related Literature

Inside the world, the immersive learning application and ecosystem have taken over. In the United Kingdom, they are still focusing on online learning as a means of growing desire for a digitalizing education system (Dawadi, Giri and Simkhada, 2020). Students now have more

opportunities thanks to the immersive learning application, which adds a different dimension to the organisational section.

The student is more focused on their studies, which aids in their understanding of the issue, as well as raising a question to the lecturer for proper contact. The students have learned from learning new things that broadened their outlook on the universe. These sources are now switching their viewpoints on the educational environment as well as global reforms (Pincus et al., 2019)

Several models have been used in this interactive learning environment to include a proper brief on their chosen subject, which increases educational content. It further allows students to participate more in the online sport, providing them with mental gratification as a result of their efforts (Bodily and Verbert, 2017).

his university-initiated strategy has been very successful in developing new aspects of society, as well as assisting the environment in repairing its damaged areas.

Virtual learning further strengthens the community by attempting to provide students with valuable considerations that have an impact on the whole framework and are essential for the development of the student's understanding.

(Viriyaajakul and Ratanaolarn, 2017).

Using this application benefits both the teacher and the students, and it is necessary to achieve a high-quality result. With the help of the VLE, this also improves skill development. The VLE also enables students to have a more convenient educational experience by allowing them to take classes whenever they want. These are the most significant effects on culture, and they have had an influence on students' ability to deliver.

Methodology

The data was collected through an online survey, which the researcher used to analyse the data in order to better understand the effect of the Virtual Learning Environment (VLE) (Saleh and Bista, 2017). The researcher used both primary and secondary data collection methods because it is a mixed approach that requires further analysis work (van Houwelingen et al., 2018).

The researcher prepared the survey questions to gather useful information for the students, so the primary data was obtained through an online survey. The questioner was sent to the student via email, and the data was obtained via email communication. The researcher also considers the ethical proportion, which can have a negative effect on the environment and lead to a reduction in productivity.

Not any of the students from my class where asked about personal information.

The researcher evaluates the data and uses the descriptive design to deliver the project's appropriate outcome after collecting it.

Data analysis and findings

Table 1: Gender of the responders

Options	Frequency	Percentage	Total
Male	18	48.65	37
Female	19	51.35	37

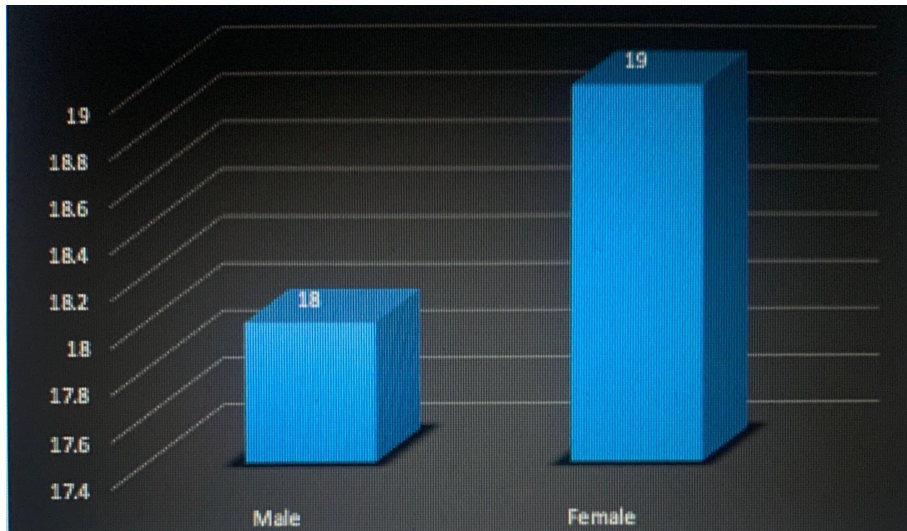


Figure 1: Gender of the responders

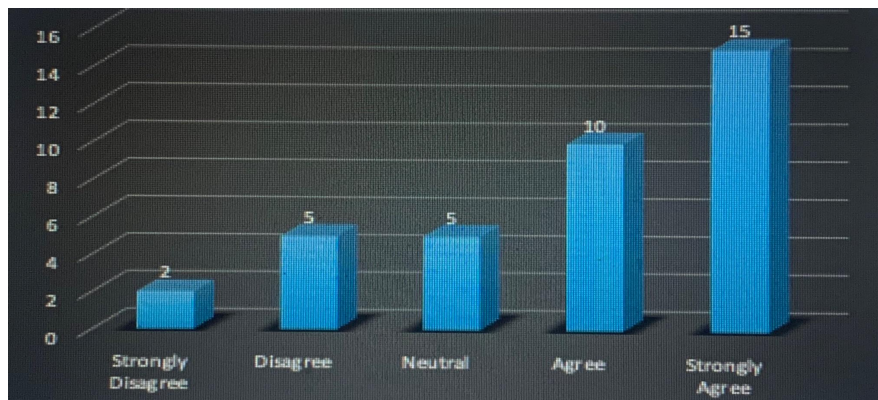
The gender of the respondents is represented in the above bar-diagram, which was used to examine the perceptions of students at the University of Wales Trinity Saint David London Campus. In the diagram, it can be seen that the majority of the responder population is female. The majority of male and female students have come to the conclusion that using is beneficial to them.

2. Do you believe Moodle has a positive impact on student effectiveness?

Table 2: Positive impact of Moodle on student effectiveness

Options	Frequency	Percentage	Total
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Strongly Disagree	2	5.41	37
Disagree	5	13.51	37
Neutral	5	13.51	37
Agree	10	27.03	37
Strongly Agree	15	40.54	37



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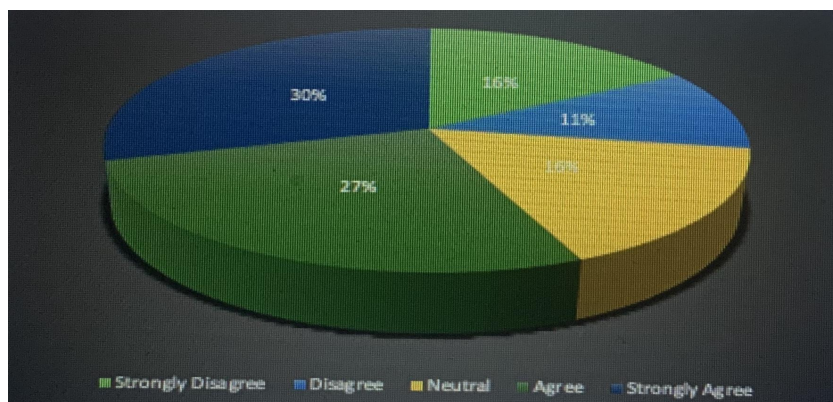
Figure 2: Positive impact of Moodle on student effectiveness

Most students at the University of Wales Trinity Saint David London Campus have stated that they are more comfortable conducting their studies in a virtual learning environment provided by Moodle's developer. By looking at the above bar-diagram, it is clear that 15 of the 37 respondents strongly agree that they enjoy using Moodle. From the total population who responded, 27% believe that the virtual learning environment has benefited them as well. However, only 5% of the population strongly disagreed with this statement. However, 15% of the total sample population does not answer the current question.

3. Do you believe Moodle is a useful and important tool for students in their studies?

Table 3: Usefulness of Moodle to conduct the distance study

Options	Frequency	Percentage	Total
Strongly Disagree	6	16.22	37
Disagree	4	10.81	37
Neutral	6	16.22	37
Agree	10	27.03	37
Strongly Agree	11	29.73	37



By : Bogdan Andrei Stefaniga

Figure 3: Usefulness of Moodle to conduct the distance study

The pie chart above was created to estimate Moodle's utility (Virtual learning environment). The majority of people agree that Moodle is extremely important in their lives for conducting distance education. Furthermore, the fact is accepted by 27% of the total sample population. However, 11% of those polled disagreed with the statement.

They came to the conclusion that Moodle is ineffective for developing and guiding students. Despite this, 16% of the population does not respond to the statement.

4. Do you believe Moodle helps students learn better than any other learning platform?

Table 4: Acceptance of the Moodle within the students compare to the other learning platform

Options	Frequency	Percentage	Total
Strongly Disagree	9	24.32	37
Disagree	8	21.62	37
Neutral	2	5.41	37
Agree	9	24.32	37
Strongly Agree	9	24.32	37

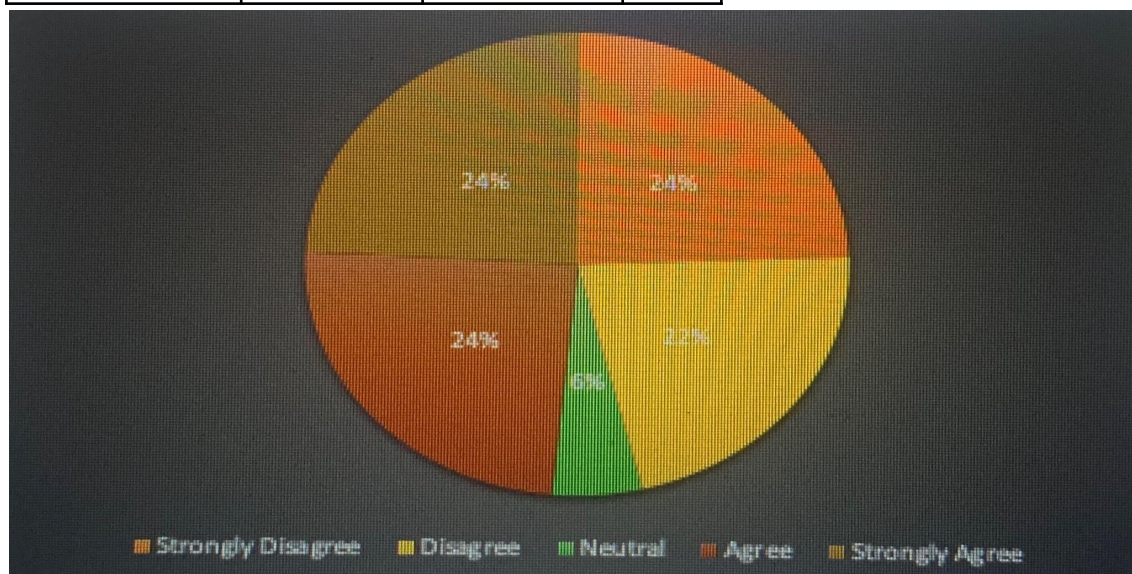


Figure 4: Acceptance of the Moodle within the students

The pie chart above was created to compare Moodle's acceptance among students to those in other learning platforms. According to the above illustration, 24% of the total population strongly agrees with the statement that Moodle is the best application in the sense of a virtual learning environment.

A further 24% of the population agrees with the assertion. Despite the fact that 9 people disagree, they believe that other interactive learning applications are more versatile than Moodle.

5. Do you believe Moodle increases learning quality?

Table 5: Current learning quality and the use of Moodle

Options	Frequency	Percentage	Total
Strongly Disagree	3	8.11	37
Disagree	1	2.70	37
Neutral	0	0.00	37
Agree	17	45.95	37
Strongly Agree	16	43.24	37

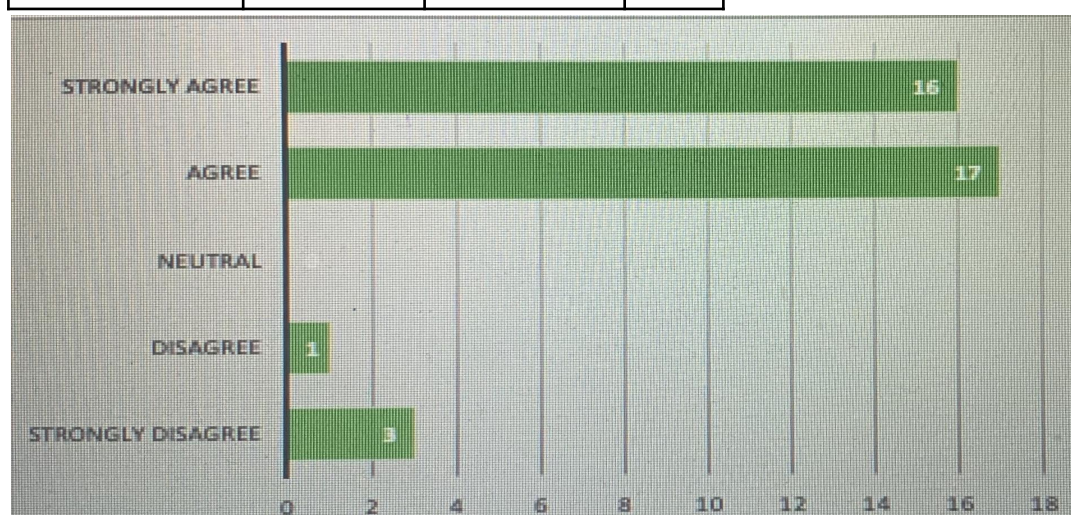


Figure 6: Current learning quality and the use of Moodle

The knowledge gathered by students at the University of Wales Trinity Saint David London Campus was used to create the above horizontal bar diagram. As a result, the graph shows that nearly 43% of people strongly agree and 45% agree that Moodle provides the best learning experience in terms of learning efficiency. However, a few people disagreed with it. As a result of the study, it can be concluded that Moodle is the best virtual learning platform for assisting teachers and students in acquiring information from a distance.

Conclusion

The virtual learning environment emerges as a blessing for the students of the University of Wales Trinity Saint David London Campus, according to the findings of the report. The

majority of people profit from their use of the environment. The platform is more adaptable than any other programme, according to the university's students.

The qualitative research also shows that developing a virtual learning environment is critical for providing versatility in distance education. During the Covid-19 pandemic, the majority of university students accepted it as a viable method of maintaining social distance. The study of the entire research investigates the student's expectations and experiences. However, a few of the students in the class disagreed about the app's utility. They believe that offline classes are better for gaining practical knowledge. It is important to remember, however, that the use of digital technology is increasing literacy rates all over the world. As a result, administrators must use this technology to spread the word. It is important to remember, however, that the use of digital technology is increasing literacy rates all over the world. As a result, managers must use this technology in order to disseminate information to all people.

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