

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

Student's name: AnaMaria Loredana Dinu

Student's number: 2112974

Couse: BMSW4003_LON. Digital Skills and Research Methods

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Lecturer's Name: Asim Satti

Introduction:

Virtual learning environment can be defined as an online based platform that stimulates the development of offering of professors and students with Digital solution for enhancing the learning experience. It is educational or web based platform that has numerous number of digital aspects where courses of studies can be conducted primarily by the educational institutions. The virtual learning platforms primary helps in stimulation of active resources and helps in promoting the development of interaction of the students with the respective features of Professor by using a digital you oriented course structure. The onset of covid-19 it can be stated that one of the major impact that has been integrated within the education of system is the development of complete interchange of the overall educational structure from traditional physical education of system to a complete virtual education of system through the utilisation of platforms such as Zoom or Google meet. The following research has been conducted in order to gain significant amount of understanding in reference to the impact of Virtual Learning Environment (VLE) – Moodle on students' learning experience at the University of Wales Trinity Saint David London Campus.

Aims and objectives:

- Stimulate the development of critical understanding in reference to the primary components associated with virtual learning environment
- To promote the development of understanding in reference to the impact of virtual learning environment on the students and teachers experience
- Critically analyse the primary factors that have promoted the development of change of the traditional environmental infrastructure to the virtual learning environment educational system
- To develop critical assessment in reference to the benefits and the disadvantages associated with the virtual learning environmental platforms
- Simulate the development of critical analysis in reference to the primary virtual learning environment of cat from that are utilised University of Wales Trinity Saint David London Campus and the current educational society

- To stimulate the development of recommendations for mitigating any particular issues associated with Virtual Learning Environment (VLE)

Methodology:

The fundamental research has been based on Saunders Methodology, where critical understanding in reference to the research philosophy and the research aims and objectives are well established in the initial section of the research formulation. Hybrid Research Design was associated where both primary data collection and secondary data collection approaches were applied based on deductive research design. Critical assessment in terms of the concept regarding the impact of virtual learning environment on the students' learning experience at the University of Wales Trinity Saint David London Campus where access by employee in primary data collection tool through the utilisation of an online questionnaire. Secondary data regarding the impact of virtual learning environment on students were also collected from peer-reviewed articles and research paper in order to maintain the reliability and The authenticity of the data that has been integrated within the research. Significant amount of data analysis by utilising both descriptive and observational data analysis method as well as visual data analysis method by employing pie charts were implemented based on the primary data that has been collected through the utilisation of online questionnaire. After the development of data analysis proofreading was also conducted followed by the establishment of organisation of data into the systematic outline of the research before final proofreading and submission.

Literature review:

The advent of technology most of the societal operations and functions have been converted into the technological platform that utilizes distinctive features of Technology. The primary components associated with the online educational infrastructure through the implementation of virtual learning environment includes content management Framework which is associated with development of design and storage features for accessing and utilising the learning resources, curriculum mapping and planning mujhe the associated with the development of lesson plan and personalization of the learning experience, development of engagement and administration of learner which is associated with the establishment of resources and tracking of progress of the students and their achievement and the final component is the communication and collaboration which is associated with the notices, chats,

blogs and wikis (Herrador-Alcaide et al., 2019). Real time communication through the implementation of live video audio conferencing is the fundamental feature that is integrated within the communication and collaboration.

These fundamental features and elements, learning environment is also associated with the syllabus of the virtual learning platform on digital platform courses, notice board where current information in regards to the ongoing courses of the educational institutes are posted, self assessment and formal assessment functions which includes essay submission and examinations (Lacka et al., 2021). Support for the communication can also be introduced through the establishment of threaded discussion, chat rooms and emails.

Which of these features have stimulated the development of significant amount of enhancement of virtual learning into the educational Framework specifically after the covid-19 (Lacka et al., 2021). However, it must be integrated that one of the most important factor that needs to be analysed during the implementation of virtual learning environment is its impact on the students and students experience. Studies in reference to the impact of virtual learning environment on the overall efficiency and engagement of the students have integrated that students have been able to improve their engagement and satisfaction due to the implementation of the features associated with virtual learning environment. It has also been indicated that students have been able to play a significant amount of autonomy over the virtual learning experience platform and have also been able to promote the development of education and life balance (Chui et al., 2020). These factors have in turn allowed the students to promote the development of significant amount of increment in their intrinsic motivation level towards stimulating the establishment of participation for the online courses and completion of the respective tasks and responsibilities.

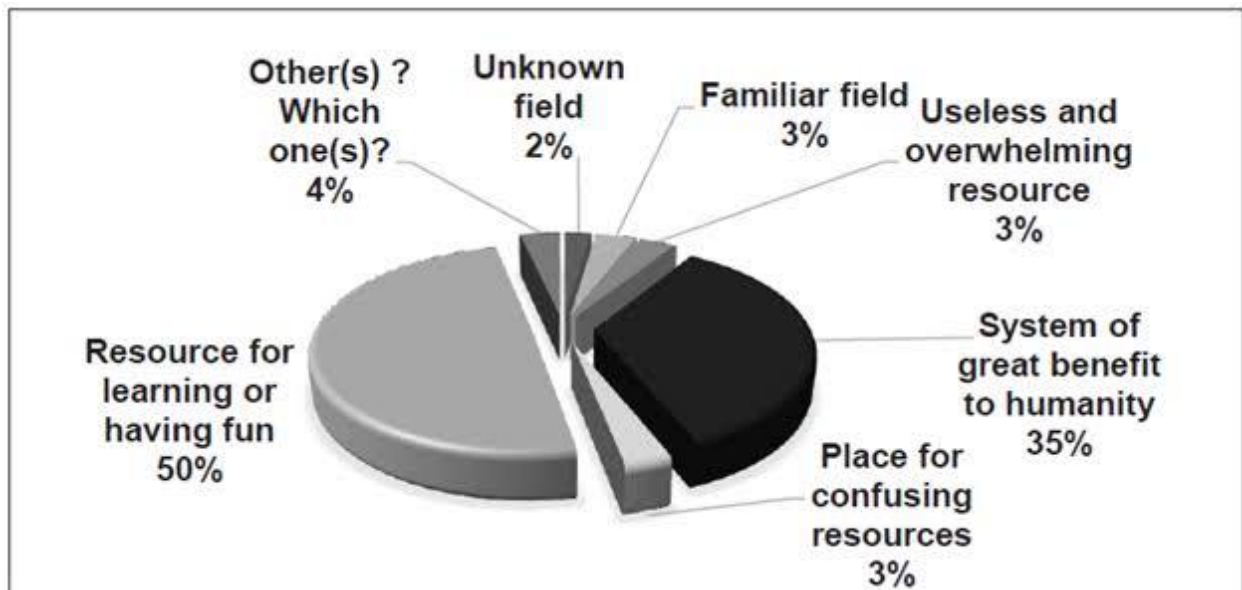
With the development of significant amount of spread and growth in information and Communication Technology massive interest has been developed over internet tools and other devices to benefit and improve the educational process which has in turn foster the development of distinctive amount of feature integration within the virtual educational platform. This in turn improve the overall efficiency of virtual learning platforms and have integrated the development of enhancement in the educational experiences of the students. Although it has been indicated that the teachers need to promote the establishment of significant amount of technological

understand in order to operate the virtual learning environment, students have found it easier to submit the respective assignments (Aljohani, 2019). We have also found it more easier to interact with the quizzes and the respective assignments which has in turn helps in improving the overall academic scores of the students who have opted for integrating into the virtual learning.

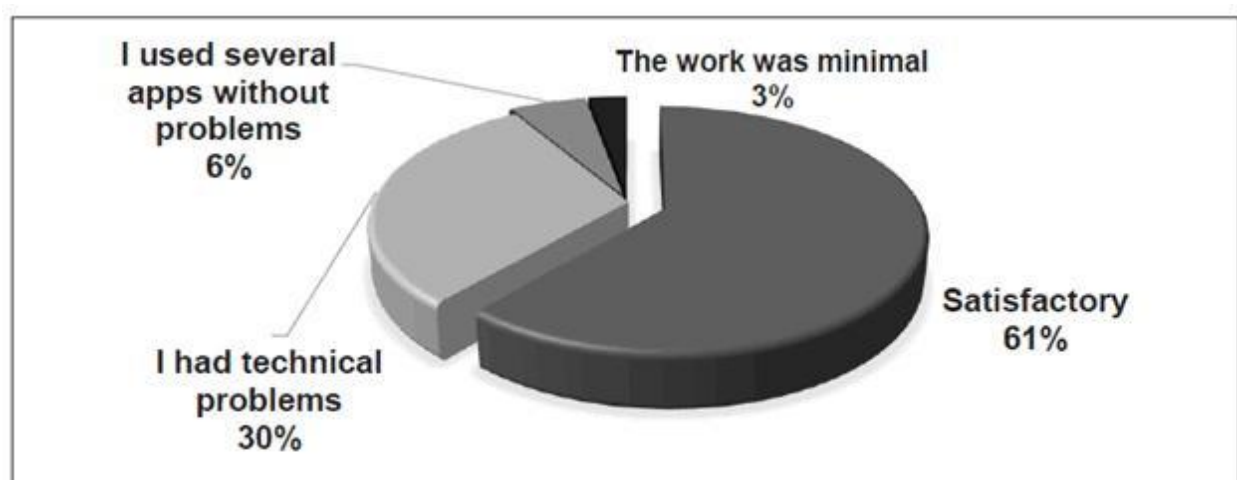
The combination of distinctive parts towards learning has also brought that attention of teachers and researchers to the multi literacy perspective which has been intended for implementing and replacing the work of teachers within the classroom with the advent of new technological infrastructure. Multiliteracy can be stated to be the increasing liquid stick and cultural diversity within the newly globalised society which has created multiple communicate of Technology (Aljohani, 2019). Based on this site has been indicated that the numerous number of features available within the online platform for the virtual learning platforms have allowed the students to think in a more efficient and effective manner. It has also been indicated that the young learners have also found it more interactive and motivational to promote the establishment of assignments and examination by utilising the virtual learning platform.

It has also increased the ease of students to communicate and collaborate with the teacher through the implementation of numerous number of features such as emailing and direct chatting through the utilisation of video and audio functioning (Torres martin et al., 2021). Students have also indicated that through the implementation of the virtual learning and permanent they have been able to gain access to immense amount of efficiency in stimulating the establishment of quicker interactivity and feedback acquisition. Moreover it has been stated by majority of the students that due to the integration of virtual learning environment, they have become more organised and have been able to correlate the assignment due to the presence of a tight deadline and time frame that is widely regulated within the online courses (Torres martin et al., 2021).

Findings:

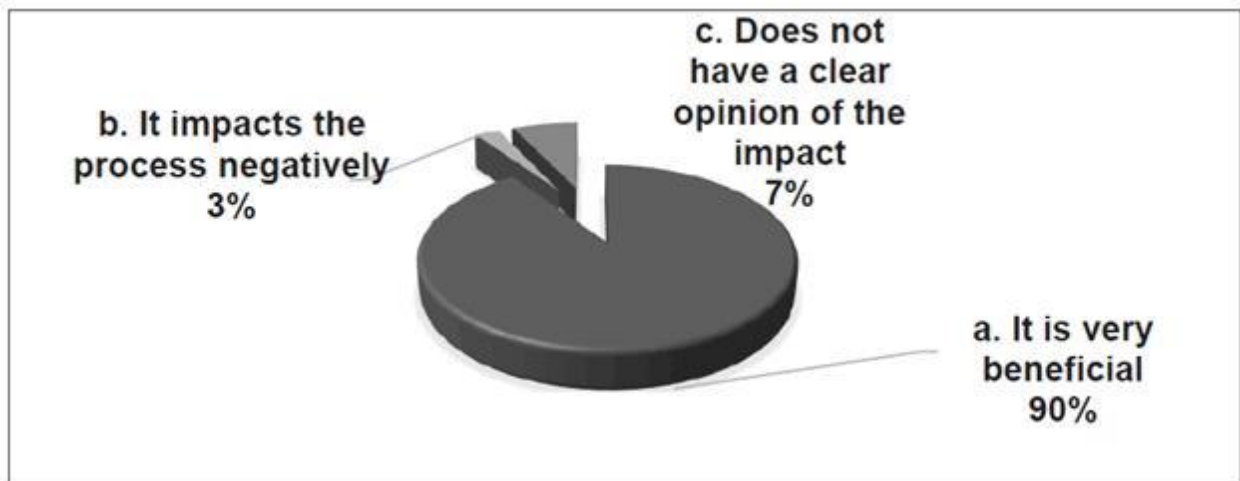


Through the implementation of the online questionnaire it was found that around 50% of the students indicated that the resources for learning on the Moodle was significantly motivational and allowed them to have fun while developing their educational and academic assignment. 2% of the sample populations indicate that they were unable to understand the question. Around 35% of the overall sample population indicated that the implementation of the virtual learning environment within the University has allowed not only get benefit to the students but also to humanity by improving the educational framework. 3% of the students indicated that confusing resources at least into the Moodle which decreases the overall efficiency of the virtual learning experience. (Torres martin et al., 2021).

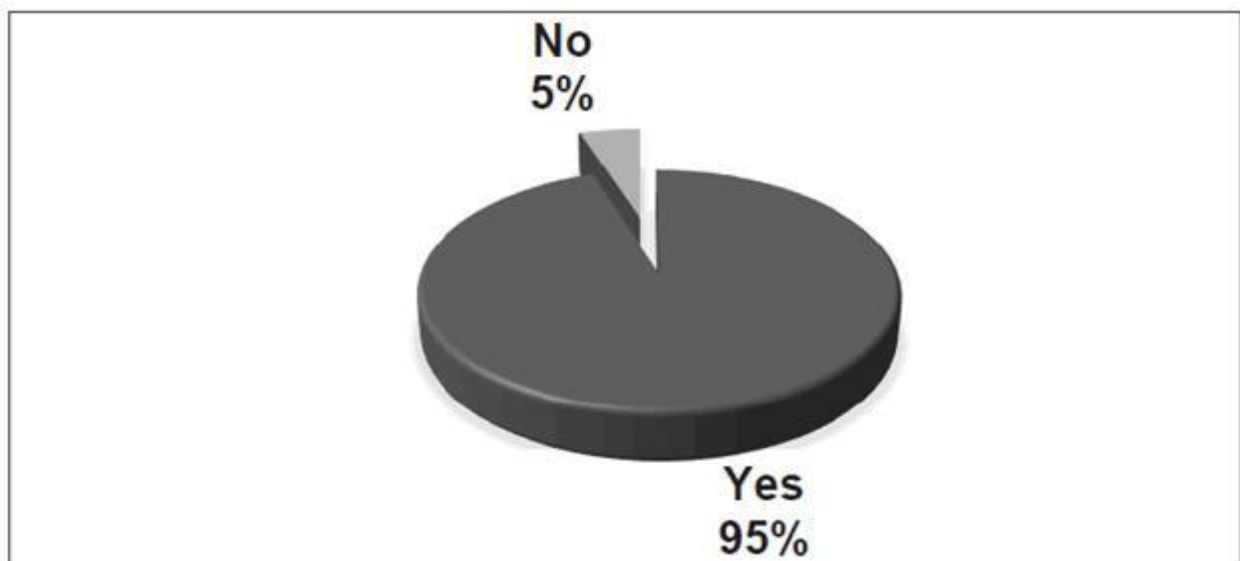


Around 61% of the total sample participants indicated that they were able to acquire a significant amount of benefit and was satisfied from the overall academic scores that a variable to acquired through the implementation of the virtual learning

platform. 3% of the individual indicated that the work that dehat to do on the virtual learning platform was minimal in comparison to the traditional platform and around 30% of the individually indicated that there was technical problems with stimulated the development of inefficient virtual learning experience.. (Torres martin et al., 2021).



Around 90% of the sample population indicated that the work for you are in experience was beneficial for their academic score and for solidifying their career. Only 7% indicated that they did not have clear opinion in regards to the impact of virtual learning experience while 3% indicated that the process of implementing virtual learning environment for education had negatively impacted their academic score and solidifying their career.



Around 95% of the sample population indicated that it was beneficial if the University continued to implement the utilisation of the virtual learning platform for

educational courses while 5% of the individuals within the sample population indicated that it is not beneficial for the university to continue the utilisation of the virtual learning platform for the education of course.

Discussion and recommendations:

Based on the information that has been collected through the development of secondary data analysis and primary data analysis it can be stated that the virtual learning environment has stimulated the development of positive impact on the overall experience of the students. It has allowed the perpetration of enhancement in motivation of the students towards Milton development of participation and collaboration. It has also improve the academic scores of the students and have also allowed them to promote the establishment of appropriate and timely submission of assignments and exams due to development of a strict time schedule available within the online platforms of virtual learning. (Chui et al., 2020)

Nonetheless it can also be indicated that there are certain barriers that have created destabilization of the virtual learning platform and have diminished the overall learning experience. The primary issues of the virtual learning environment of associated with the development of technical issues, lack of direct interactions with teachers and issues associated with complexity in the virtual learning course design. (Lacka et al., 2021).

The fundamental recommendations that can be provided in reference to the virtual learning experience issues that has been recovered due to the development of secondary and primary data analysis are:

- Appropriate planning of the virtual learning environment platform needs to be established in order to mitigate the development of issues associated with complexity
- Development of a proper schedule and introductory guide for the overall hostel course also needs to be implemented in order to mitigate the development of any issues associated with the virtual learning platform and the experiences of the students on the virtual learning platform
- Appropriate helpline for contacting during the establishment of technical glitch and technical issues need to be promoted.

- Email and other chat facilities me needs to be addressed within the virtual learning infrastructure of the courses in order to allow the students to directly contact the processes.

Conclusion:

Based on the development of analysis associated with the impact of the virtual learning environment on the students it can be indicated that it has primarily stimulated the development of positive learning experience is among the students. However it can also be stated that there are certain negative aspects associated with the virtual learning environment primary of which is the development of technical issues and the establishment of issues associated with complexity in navigating through the courses. Nonetheless application of proper strategy and development of appropriate guide for by the professor can help in enhancing the virtual learning experiences of the students.

References:

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Appendix – Online questionnaire:

Question	Answer
Do you think that the resources in virtual learning environment of university is fun and motivational?	Descriptive answer
Do you think that the online resources available in the Moodle impacted your overall academic score in a positive manner?	Descriptive answer
Are you satisfied with the online virtual learning environment that is being provided by University?	Yes/No/Descriptive answer
What are the primary issues that you've faced during the utilisation of the online platform?	Descriptive answer
Do you think that universities should continue implementation of the virtual learning environment?	Yes/No