



STUDYING THE IMPACT OF VIRTUAL LEARNING ENVIRONMENT ON THE LEVEL OF STUDENT ENGAGEMENT AND CLASSROOM BEHAVIOUR OF STUDENTS



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Research Title

Studying the impact of Virtual Learning Environment on the level of student engagement and classroom behaviour of the students

Introduction

The education is one of the most important requirement of the society. The changes in the lifestyle and the modern day requirements of the learners have led to many new advancements in the ways education is delivered. The virtual learning environment (VLE) has emerged as a very useful area in the educational practice and many developments have taken place in it. Also, in the recent situation created by the pandemic, the importance of education through VLE has been increased significantly. As per the work of Tabatabai (2020), virtual learning environment is a platform for online education which offers digital tools and solution to teachers as well as students for enhanced interaction which results in higher engagement level of the students. But the important thing to understand is whether it can fully satisfy the different learning needs of the students. The study will undertake the concept of VLE and study it to understand its impact on the student engagement. Also, the effectiveness of the Virtual Learning Environment in promoting the right student behaviour in the students will be discussed.

Rationale

The conventional education delivery is already tilted towards lecture delivery which is more suited for learners with auditory learning styles. This is one of the reasons that many students are not actively engaged in the classroom and their behaviour is not suitable for learning effectively. The virtual learning environment can be beneficial if it removes the challenges associated with student learning. If the VLE does not provide the teacher with opportunity to interact with the students in an effective manner, this may result in lack of engagement and negative student behaviour (Roshanpour and Nikroo, 2020). This study is aimed at looking at different aspects of VLE and identifying the ways in which the VLE may create an impact on the engagement levels of the students in the class. The engagement of the students may also result in promoting better behaviour among the students. The study is aimed to inquire at the significance of virtual learning environment in terms of student engagement and class behaviour.

Objectives

The objectives of this research study are as follows:

- To assess the role of virtual learning environment on student engagement.
- To understand the impact virtual learning environment may have on the student behaviour in classrooms.

- To analyse the ways VLE can improve the education delivery by facilitating the teachers and the students.

Literature Review

One of the main effect of the VLE is that it upgrades memory review and further develops commitment of understudies. The principle discoveries of this examination uncover that the virtual learning environment assumes a critical part in the understudy's learning. Presentation of most recent innovation has turned into a prerequisite in medical services instruction like utilization of computer generated reality in radiotherapy addresses. Understudies learning with such strategies have shown improvement in review, commitment and fulfillment of understudies (Roshanpour and Nikroo, 2020).

With the on-going pandemic of COVID 19 and ascend in number of cases, the schools of numerous locale are breaking down how to push ahead. The VLE is reachable for anybody with a cell phone, tablet or PC. The understudies can without much of a stretch take part in the web-based course from anyplace with a web association (e.g., Wi-Fi). Virtual advancements likewise empower them to take classes at their own helpful time implying that they at this point not should show up in the class at a decent time on a specific day. Virtual advancing additionally dispenses with any expense of going as the understudies can gain from their homes now (Truong, 2016). The individual accommodation presented by the VLE causes this optimal sort of learning for individuals who to have little kids, the individuals who have everyday positions, and for those individuals who should be accessible at better places at various times due to liabilities.

Virtual realizing where gives benefits has its very own few difficulties. Understudies' participation, timeliness, and inspiration to mindfully follow address in class is hard to get. The greater part of the students is not capable spotlight on classes and act sluggish in light of picking their ordinary home everyday practice. The unexpected moving from typical homeroom routine to virtual technique is difficult and trying for some understudies as they probably won't be intimately acquainted with the innovation and its powerful use. They might confront trouble in going to online talk because of organization quality. inaccessibility of good camera for visual and receiver for great sound quality likewise presents hardships in successfully captivating with other class individuals (Ajami and Haider, 2018).

One more significant part of tutoring is to make discipline and awareness of others' expectations among understudies. With online class this errand is exceptionally difficult. People are social creature. The internet based cooperation isn't what might be compared to meeting individual to-individual. Truth be told, the understudies can become outlaws from society. It is additionally similarly hard for instructors to pick. The youthful instructors acquainted with innovation probably won't think that it is troublesome yet the senior educators being fairly obsolete from mechanical headway cannot adapt viably to the understudies and eventually, cannot give assistance and backing to understudies (Kirkwood and Price, 2018).

Methodology

It is important to ensure that the methodology that has been adopted for the research is the most suitable. The quantitative research as well as qualitative research methodologies are both used to conduct this study. Quantitative research is used to gather information which can be numbered and quantified. This research methodology will be used as it helps in setting and defining different parameters such as number of respondents and sample size etc. The qualitative research will be used to study the variables which cannot be quantified. The satisfaction level of respondents, their behaviors and consistency in opinion etc. will be research using the qualitative research methods (Suander, Lewis and Thornhill, 2016).

The primary research will be conducted from the respondents to collect information about their opinions related to different aspects of VLE. The questionnaire will be developed for this purpose and distributed to the students to gather the necessary information. The questionnaire has been selected as the research tool based on its effectiveness in conducting this type of research. The questionnaire is a very effective research tool which can help in sharing the different articulated questions with the participants and get information related to the project in an easy manner (Merriam and Tisdell, 2016). The questionnaire will be shared with students through email and their responses will be collected by following up from them.

Sample Size

The research is aimed at the students of the different educational institutes in United Kingdom. The students have been faced with virtual learning environment in one way or another and their opinions can provide us with relevant information. The sample size selected for conducting this research is 25 students.

Research Limitations

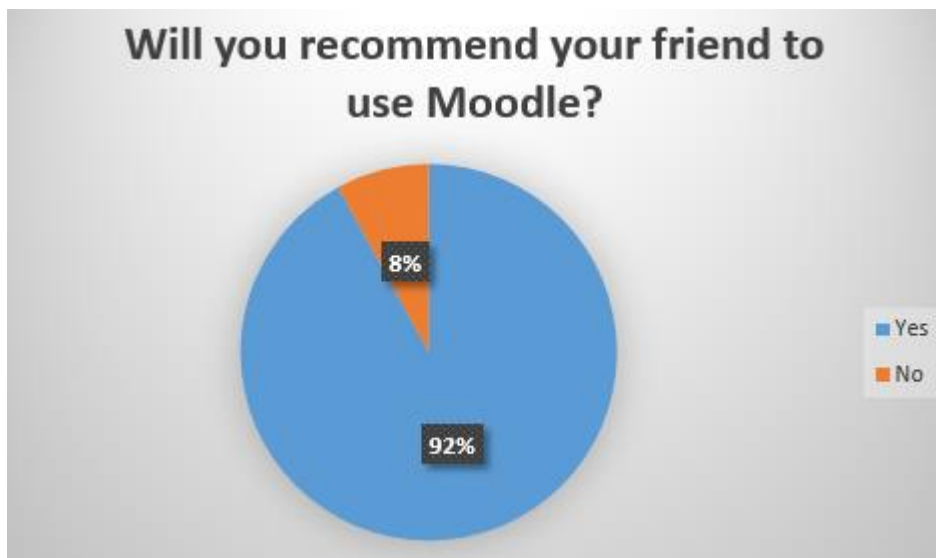
The research has a limitation in terms of the sample size selected. The larger sample size is required in order to draw more accurate conclusions from the research.

Research Findings and Analysis

The questionnaire consisted of seven questions as part of the research survey. The responses of the students were recorded and analysed. The findings of the research survey are as follows:

Question 1: Do you Like the Moodle?

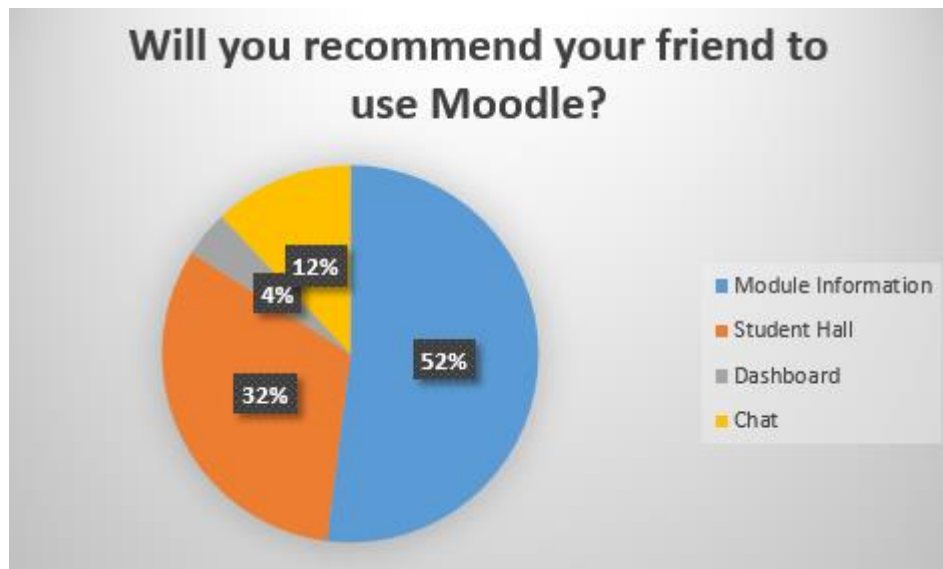
- Yes
- No



The percentage of respondents that replied with yes to the question is 92%. This means that the majority of the students like Moodle while only a small percentage of 2% are not interested.

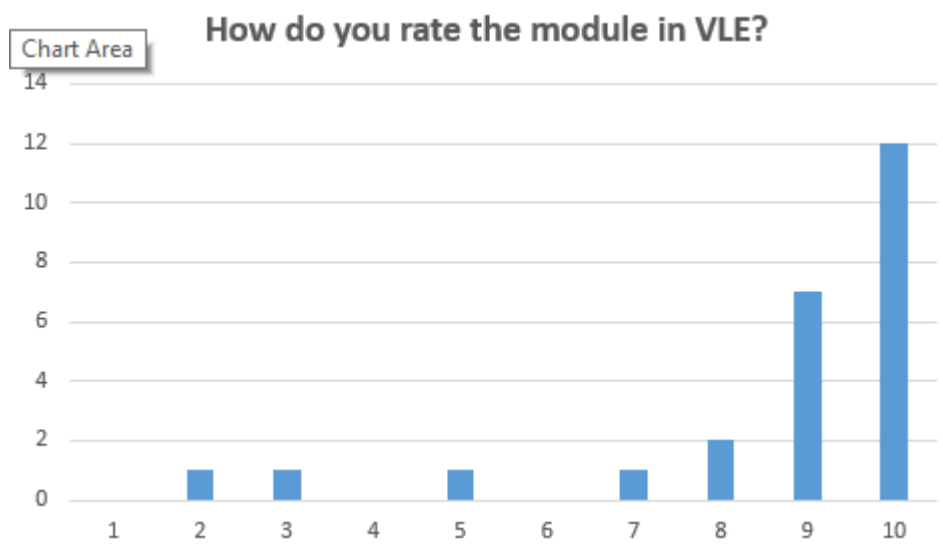
Question 2: What is the main reason for uses Moodle?

- Modules Information
- Student Hall
- Dashboard
- Chat



The number of students that use Moodle for module information is 13 and this forms 52% of the total respondents. 8 students responded with Students hall which is 32%. While only 1 student replied with dashboard and 3 responded with chat with the respective percentages of 4% and 12%.

Question 3: How do you rate the module in VLE? (where 1 represents lowest rating and 10 represents the highest)

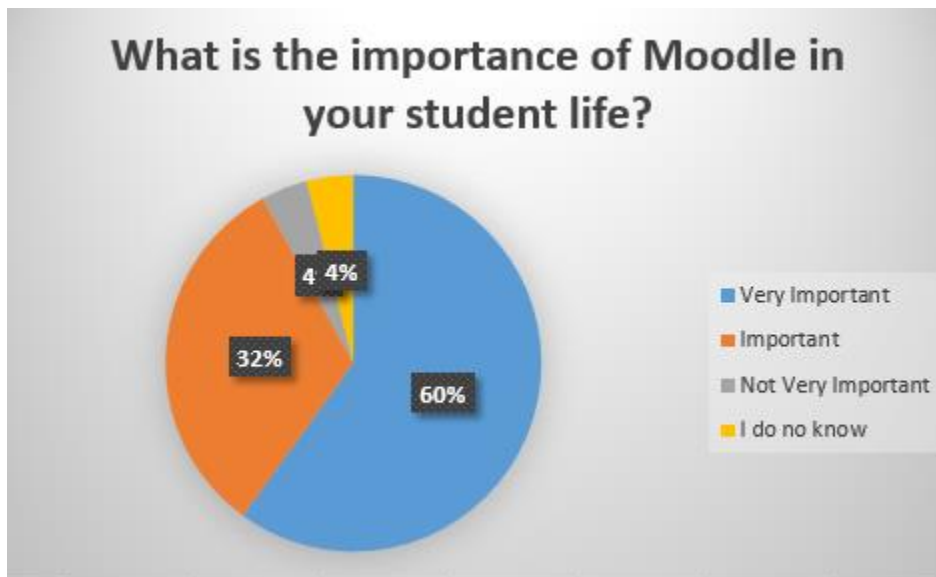


The question was asked with respondents to identify their ratings for the Moodle. The 12 respondents gave 10 which is the best. That was followed by 7 students responding 9, 2 students

responding with 8 and 1 student responding with 7. No student gave 6 as the rating. One student each was the rating given for 2, 3 and 5. While no one gave the ratings of 4 and 1.

Question 4: What is the importance of Moodle in your student life?

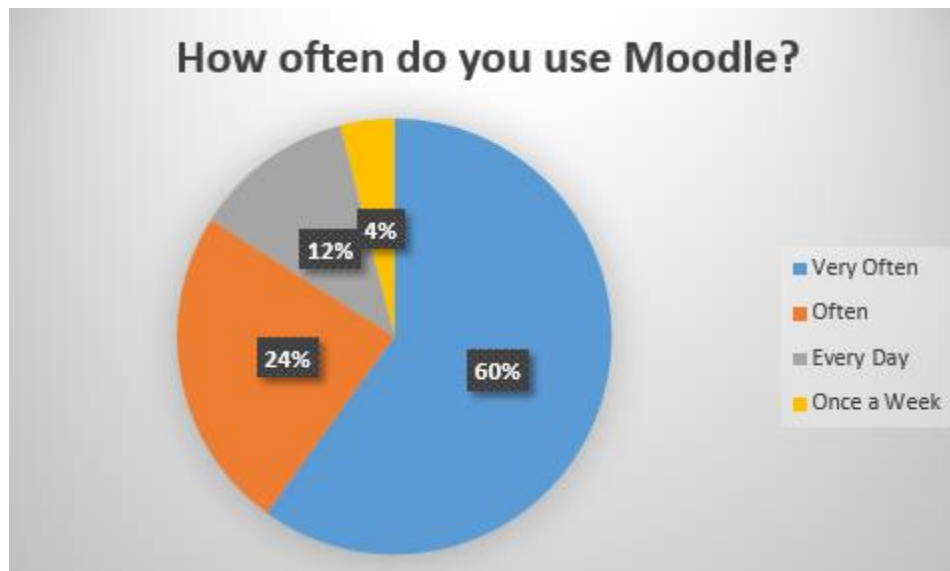
- **Very Important**
- **Important**
- **Not Very Important**
- **I do not know**



The number students that responded that the Moodle is very important in student life 15 which is 60%. While 8 students responded with important which is 32%. The number of respondents with not very important and I do not know reply are 1 each which is 4%.

Question 5: How often do you use Moodle?

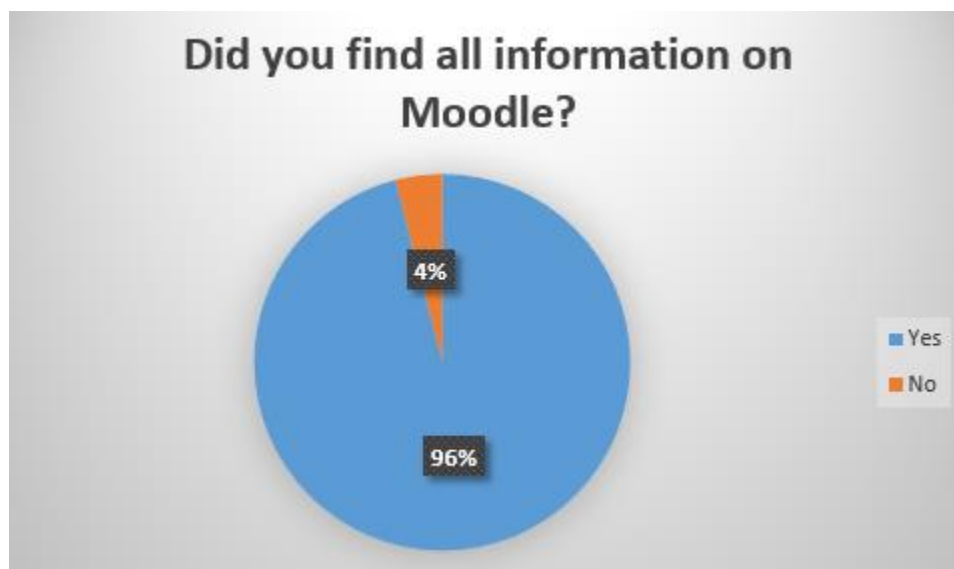
- **Very Often**
- **Often**
- **Every Day**
- **Once a Week**



The percentage of respondents that use the Moodle very often is 60%. The respondents that replied with often are 24%. The everyday users of Moodle are 12%. While the once a week response was given by only 4%.

Question 6: Did you find all information on Moodle?

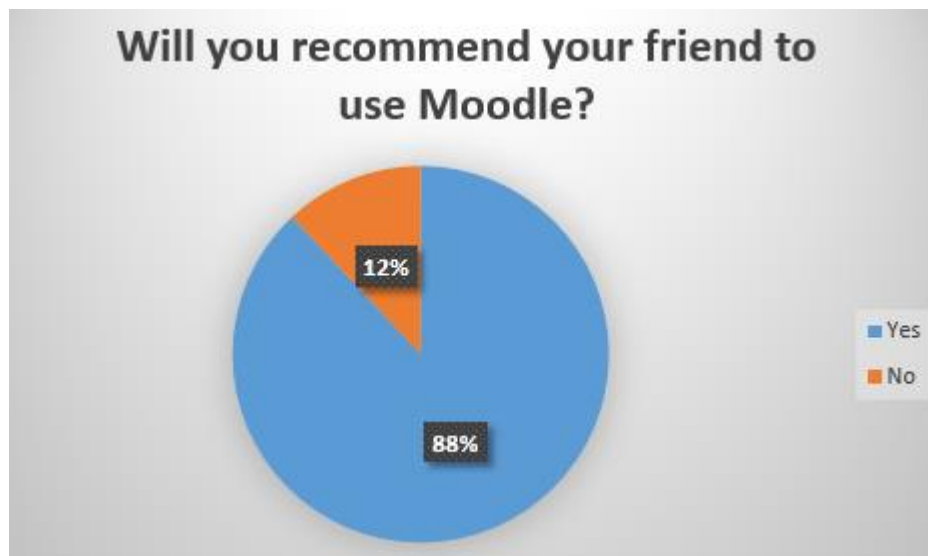
- Yes
- No



The number of respondents that replied that they are able to find all the information on the Moodle is 24 which is 96% while only 1 student replied that they were unable to find all the information forming only 4%.

Question 7: Will you recommend your friend to use Moodle?

- Yes
- No



The percentage of students that replied with a positive response to the question is 88%. While only 12% of the respondents replied that they will not recommend the Moodle to a friend.

Discussion

The aftereffects of the essential information assortment show that the understudies are having blended responses to the utilization of innovation based VLE for their studies. As the understudies need to take on this choice because of Covid-19 pandemic, there has been blended reaction from the understudies in such manner. A large portion of the understudies didn't confront any issues while utilizing the VLE yet a portion of the understudies announced troubles, for example, not being keen on the product and some detailed not being occupied with the virtual learning climate (Phoong, Phoong and Phoong, 2020). When gotten some information about the utilization of advanced library for concentrate on purposes, the majority of the understudies reacted with every day use as they are proceeding with their studies and need to deal with their instructive program successfully. A few understudies reacted that they had never utilized the advanced library which

is dangerous as there could be no different substitutes for understudies right now for proceeding with their studies and this will adversely affect them (Shahzad et al., 2020). Practically each of the understudies observed the module very much planned and helpful implying that there is generally speaking positive reaction about the seminar on the VLE. The respondents are for the most part of the more youthful age bunch for example 18-25 and these are individuals that are for the most part more adjust in dealing with their work through internet based stages. In this manner, they are less expected to experience difficulty utilizing and concentrating on the web-based stage. In the last inquiry, the greater part of the understudies showed their advantage in the up close and personal environment implying that many individuals disliking the internet learning stage.

Conclusion / Recommendation

It is inferring that the virtual learning climate (VLE) is a web-based stage which has empowered the understudies to proceed with their schooling through web and portable based applications. The utilization of VLE has expanded as of late because of the Covid-19 limitations. As the study hall climate was presently not appropriate, this method of learning was utilized to proceed with the software engineers. There are various advantages and benefits of studying however a VLE as it permits the understudies to coordinate their learning pace and simultaneously gives them opportunity to concentrate on their own way. There has been both positive and negative reactions from the understudies in such manner and numerous understudies won't favor this choice. The exploration in such manner presumed that understudy is even more intrigued by eye to eye learning and their inclination for computerized learning isn't exceptionally high. Additionally, the review showed that understudies definitely approve of instructive substance however they actually don't favor this strategy exceptionally.

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