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## **Impact of Virtual**

### **Learning Environment (VLE) – Moodle : Students'**

#### **Views**

### **Introduction**

This is a report on the Impact of Virtual Learning Environment (VLE)- Moodle on students at the University of Wales Trinity Saint David London Campus.

A survey of 10 questions was asked Quantitative Qualitative methods to conduct both primary secondary data sample research and to review the approach of the implementation of a VLE concerning students' satisfaction. It shows the results of the responses by using graphs containing answers of 7 respondents. Thus, to gather the information I will collect analyze the graphs, explain various aspects and factors from both primary secondary sources.

The study's purpose is to explore and determine how students feel in their learning environments (VLE)b. As a result, it provides a summary of the findings in this research. This will help to build an understanding as well as investigating other aspects of these such as how the Virtual Learning technology to benefit students' learning advantages as support to their studies, performances and challenges limitation they may face on e-learning Moodle to access materials, facilities, and resources needed to be productive on their education.

### **Review of Existing Literatures**

My topic is the Impact of Virtual Learning Environment (VLE) – Moodle.

A virtual Learning Environment (VLE) is to facilitate students in their progression towards their studies from passive to active learners. The use of active learning develop the critical thinking skills vital to obtain classroom knowledge and shape the development in diverse subjects. J Med Imaging Radiat Sci. 2019 Sep.

[Alan Day, Kent] county council's learning platform project manager, says: "Choosing a learning platform is like going on a journey, and we are in the business of helping schools through that journey." She says decisions should be "based on a sound educational need. What are your educational goals and aims? Then you can map your ICT services." Cole, G., 2007.

"Technology has led to greater interaction between students and teachers," says Dr Claire McAvinia, Learning Development Officer at Learning, Teaching, and can access some campus services through chat boxes on their webpages, and most lecturers can interact with their classes through email or a virtual learning environment."

"The key benefit of the VLE is as a stepping stone: it supports the teaching and helps the student to get into what they are studying. Lecture notes and other materials help the student progress into the more important work - their own learning about the topic, secondary reading, and engaging in greater depth with the subject." "Technology is an investment, so it's important that people are purchasing the right products and materials to suit their individual needs," says Ciaran McCormack, CEO of Compu b ([www.compub.com](http://www.compub.com)). "Smartphones are a powerful technology to support learning. (Anon, 20190)

Virtual Learning Environment (VLE) is a 'one-stop-shop' product that provides a technological solution to support learning and teaching.

## Research Methology

**Qualitatives Research Methods:** There are two kinds of data Qualitative Quantitative. Qualitative data uses words or images to describe something. Not in numerical form eg. Open-ended questionnaire 'What did you think of our service?'

**Quantitative Research Methods:** Quantitative data uses numbers, or categories, that can be labeled with a number. This type of data can be used to construct graphs and tables of raw data.

**Population:** A research population of students from the University of Wales Trinity Saint David for a survey. It is for the interest of the population that researches are done.

### Sample and sample size:

There are different samples techniques part of the study I use random sampling. Seven female students participated in my primary data study from the University of Wales Trinity Saint David. First an invitation was sent to answer the survey powered by survey monkey granting analysis with Exel in the University of Wales Trinity Saint David (UWTSD) class group on WhatsApp Messenger a form of communication used by staff and students to support course modules. A survey of Ten questions was asked and students were asked to complete it, seven students accepted the invitation to participate. It is part of my primary data preparation to collect samples acknowledging the wide variety of participants and

demonstrate through interviews the experience students have with the use of a Virtual Learning Environment (VLE).

### **Data collection process:**

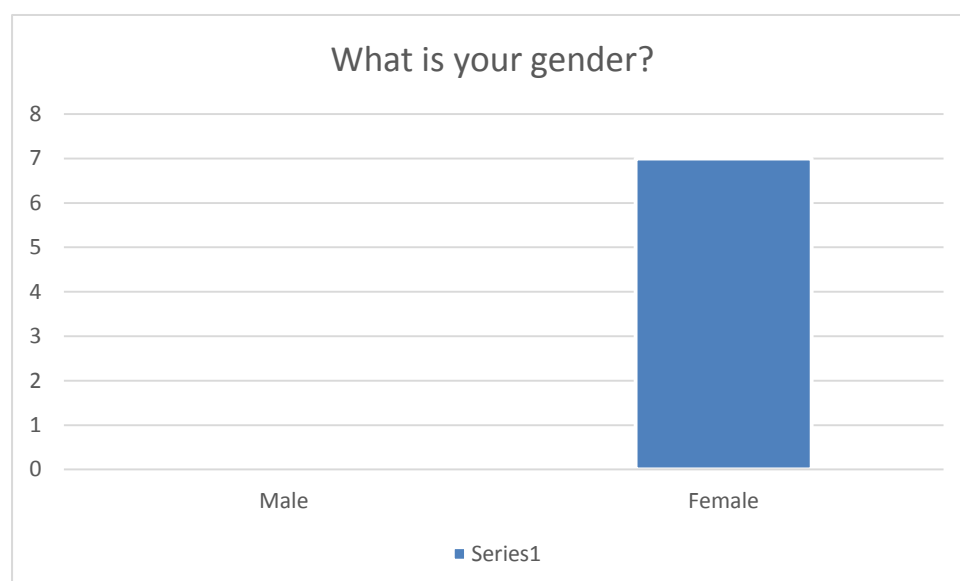
An interview was conducted on students to link the quantitative data and students' perceptions. The survey is for the data to be used in the study to interpret a large amount of information Qualitative and Quantitative data by variable and units/cases. Ten questions were asked to gather data using the e-questionnaire agree/disagree scale the answer to each question is variable to help analyze responses it's a useful way to access and interpret accurately, up to date information to enable research to take place then to collect findings, organize, prepare data for analysis. The study contains information of all the data, relating and interpreting the meaning of the answers from the respondents. Thus, the data inserted from both research questions and the result of students' way of learning.

### **Ethics in data collection:**

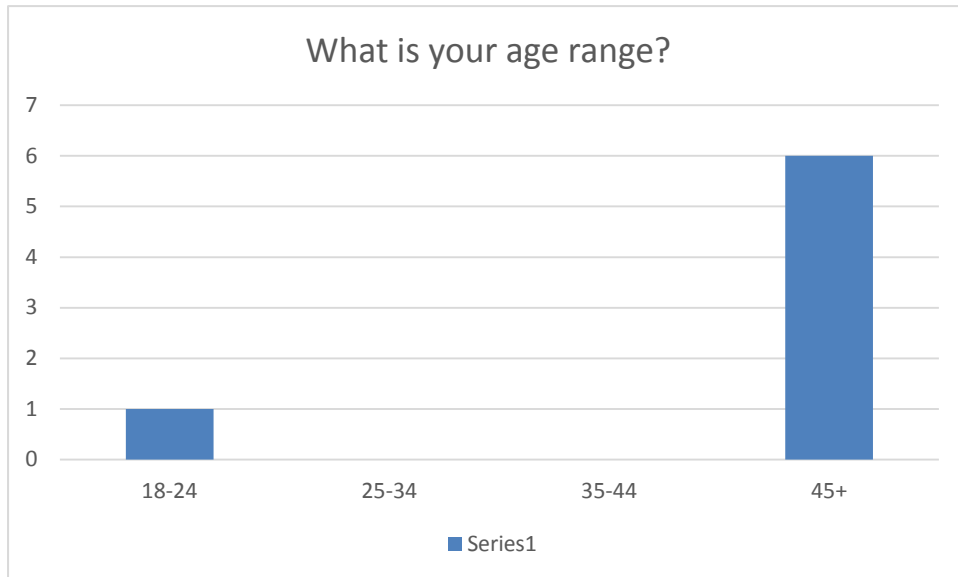
Students agree to participate in the study and were informed of all part of the process. It was clear to be respectful and no personal information would be disclosed, no harm caused to any of the participants. The intention of the study is not to focus on evaluating their performances, but rather on how the use of technology and the implementation of a VLE Virtual Learning Environment has an impact. According to Bryman and Bell (2007), ten points represent important principles for ethical considerations.

## **Findings, Analysis and Discussion:**

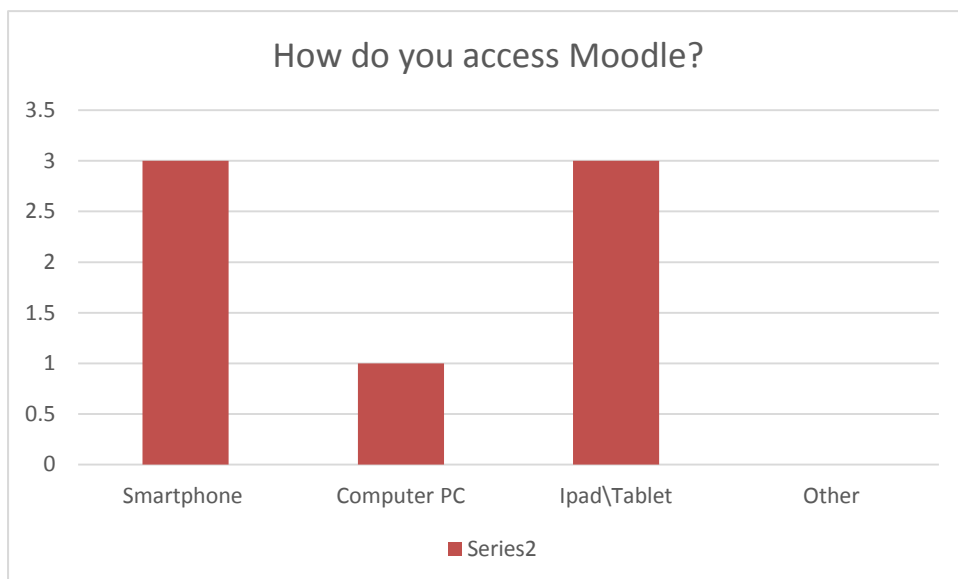
### **Impact of Virtual Learning Environment (VLE) – Moodle Survey questionnaire**



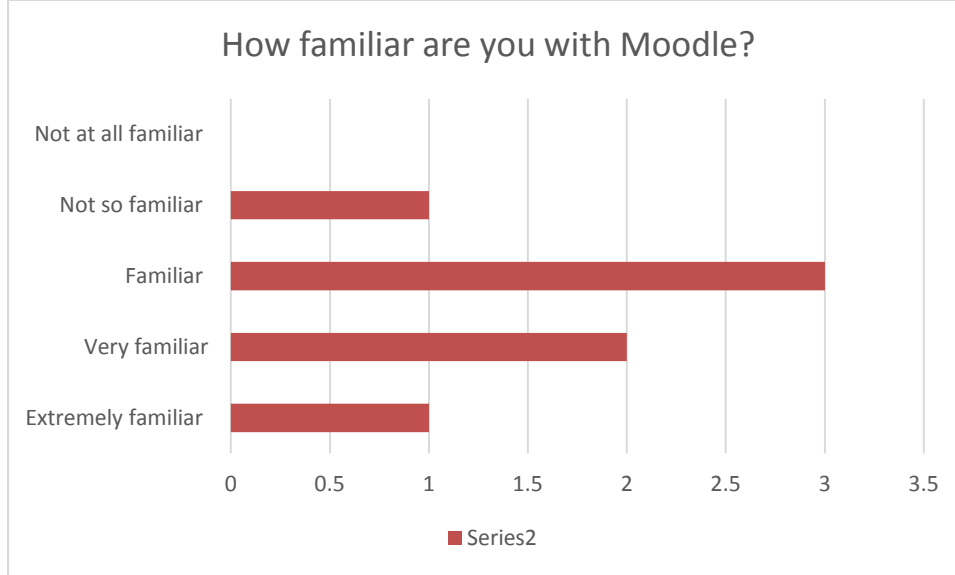
**Q1). Graph Analysis:** Shows the result of the students' entrance questionnaire only females participated in this study students sexes, 100% females, and 0% male.



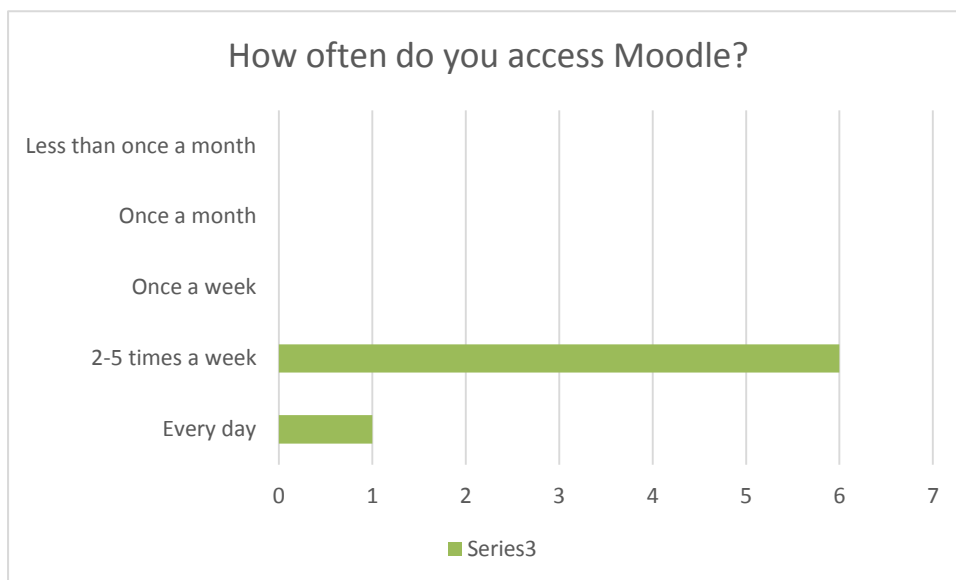
**Q2). Graph Analysis:** Regarding ages, 86% were older than 45 and 14% were between 18-24, and between 25-34 0% and 35-44 0%.



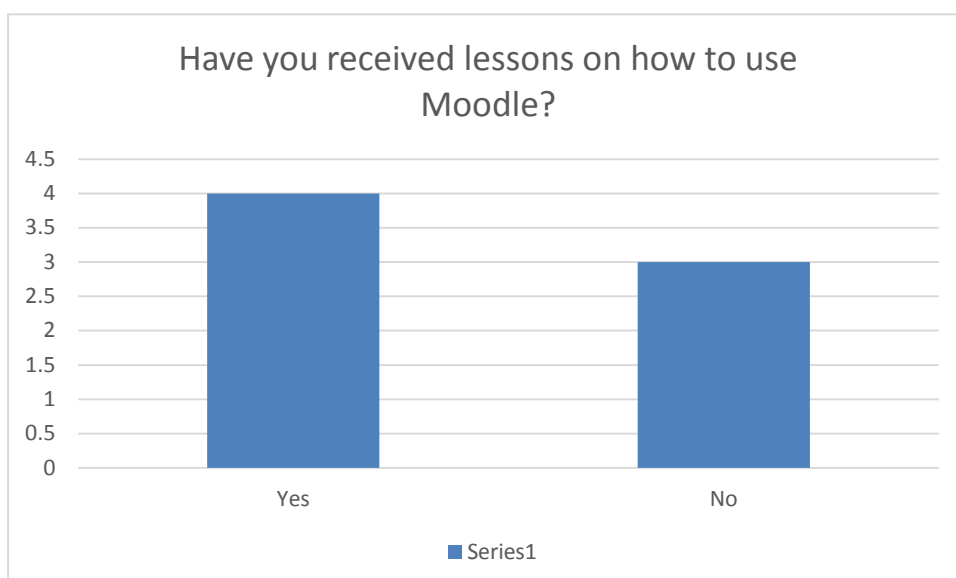
**Q3). Graph Analysis:** Shows the technology devices used, 43% use smartphones, and 43% use iPad/Tablet, and 14% use Computer Pc.



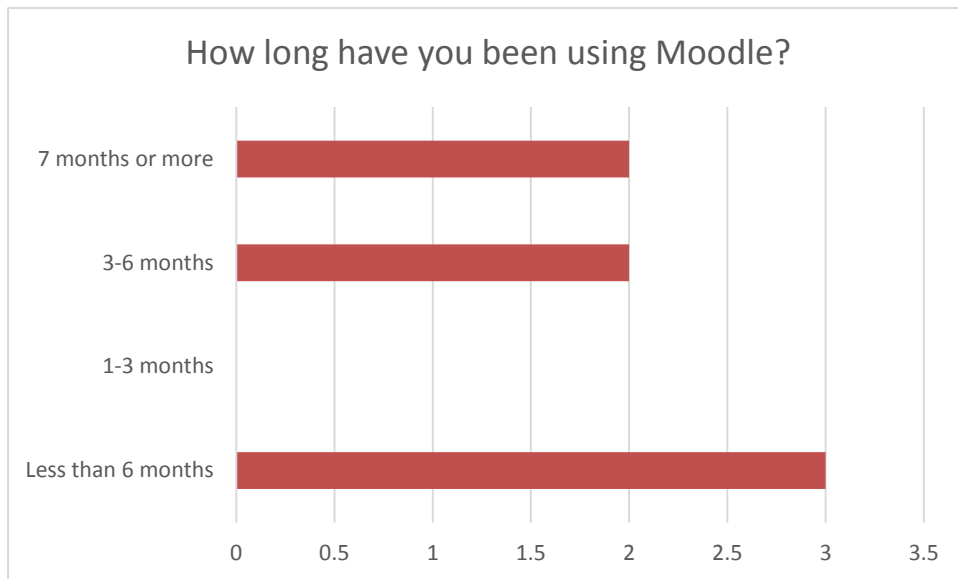
**Q4). Graph Analysis:** Shows 43% are familiar, 29% are very familiar, extremely familiar 14%, and no familiar 14% to the statement.



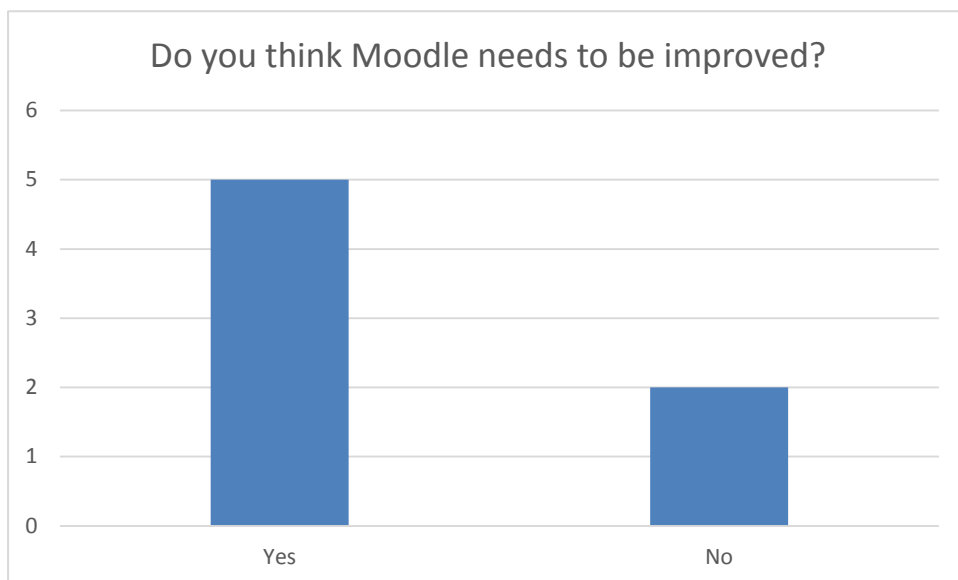
**Q5). Graph Analysis:** Shows frequency of accessibility, 2-5 times a week 86%, and 14% Every day.



**Q6). Graph Analysis:** Shows 57% of the respondents agree and 43% disagree.

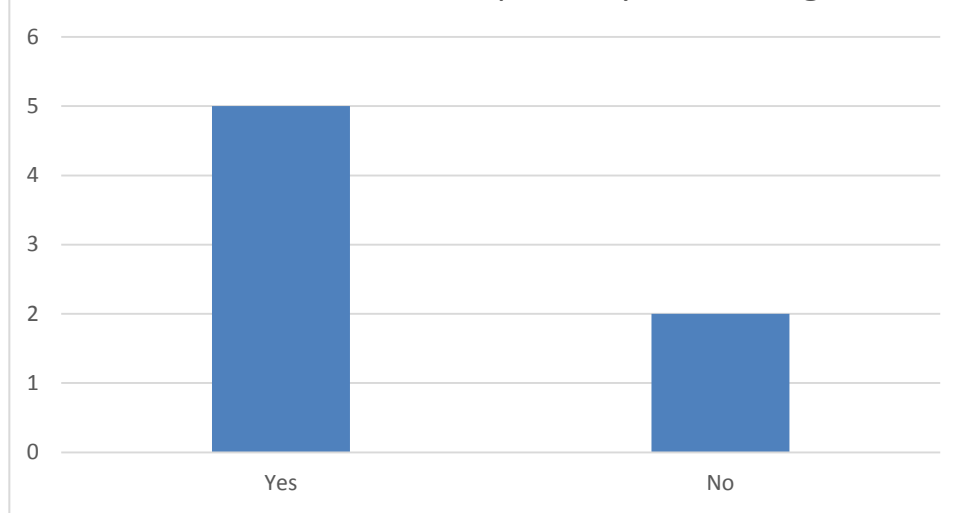


**Q7). Graph Analysis:** Shows 43% answered Less than 6 months, 29% answered 3-6 months and 29% answered 1-3 months.



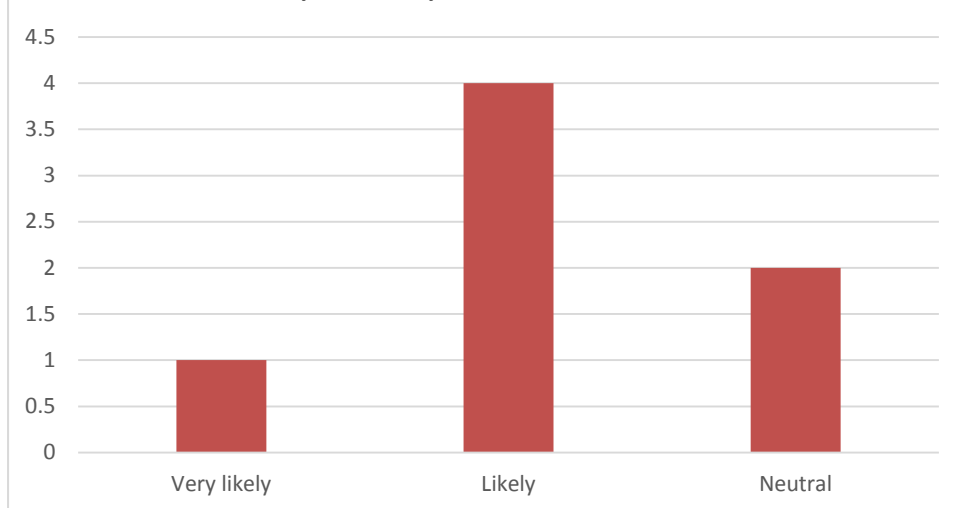
**Q8). Graph Analysis:** Shows 71% of the respondents agree and 29% disagree.

### Does Moodle has an impact on your learning?



**Q9). Graph Analysis:** Shows 71% of the respondents agree and 29% disagree.

### How likely would you recommend Moodle?



**Q10). Graph Analysis:** Shows on the scale with the statement, 57% answered Likely, and 29% are neutral, and 14% answered Very likely.

### Summary of the findings:

Research of the topic is Impact of Virtual Learning (VLE)- Moodle by researching and Analysing data using primary data the findings of the secondary data will be supported by the result of the questions.

100% of the respondent of my survey are females and their age range are 45+ and 14% are from 18-24 years old. I have learned from the study most devices used are Smartphone and Ipad/tablets at 43% and 14% of the respondent use computer PC. 43% are familiar with Moodle, 29% are very familiar and 14% are not familiar with the use of Moodle. 86% of the respondent uses Moodle 2-5 a

week and 14% everyday. 57% of the respondent have received lessons on how to use Moodle and 43% disagree. 43% have been using Moodle answered 3-6 months and 29% answered 1-3 months. 71% of the respondents think Moodle need to be improved and 29% disagree. 71% of the respondent agree Moodle need to be improved and 29% of them disagree. 57% likely would recommend Moodle, 14% very likely and 29% are neutral. From the study they were satisfied and they take advantage of the online learning Moodle they enjoy online learning, overall this show a satisfying use of Moodle...

## Conclusions

The findings from this study show that there's a benefit for VLEs in the teaching of students. The need of advanced technology to be introduced into education improve communication to be more effective to the learning process and additional materials help students in their learning also task can be submitted and commented online such as Virtual Learning Environment Moodle.

The result in implementing the Virtual Learning Environment in relation to students' performance help to better engage and add fun to the learning process. Thus, there are disadvantages as 71% of students from the primary research recommend Moodle needs to be improved may due to a lack of practice and struggle with the tools and programs for academic purposes. Therefore, according to the respondents who took part in the study there are perceptions of the use of VLE however in conclusion the results show a positive outlook on the use of VLE regarding students. I want to point out the internet and educational technology is different in the one they use in their daily lives.

## References

Anon, 2019. TECH TIME. Irish Independent, pp.Irish Independent, 2019-08-21. . (Accessed on 30 April)

Horan, D., 2015. How a VLE can have a measurable impact upon your school. International School, 17(3), pp.27-29. (Accessed on 30 April)

J Med Imaging Radiat Sci. 2019 Sep. . (Accessed on 30 April)

Learning platforms: My very own online learning space: Learning platforms break down the boundaries of teaching by allowing learning anywhere, on the net. A revolution, perhaps - but there are challenges, as George Cole discovers. The Guardian (London, England), p.1. (Accessed on 30 April)

## Appendix

**Questionnaire-** <https://www.surveymonkey.co.uk/r/HFMVDXV>