

Report

The impact of Virtual Learning Environment
in University of Wales Trinity Saint David
London Campus

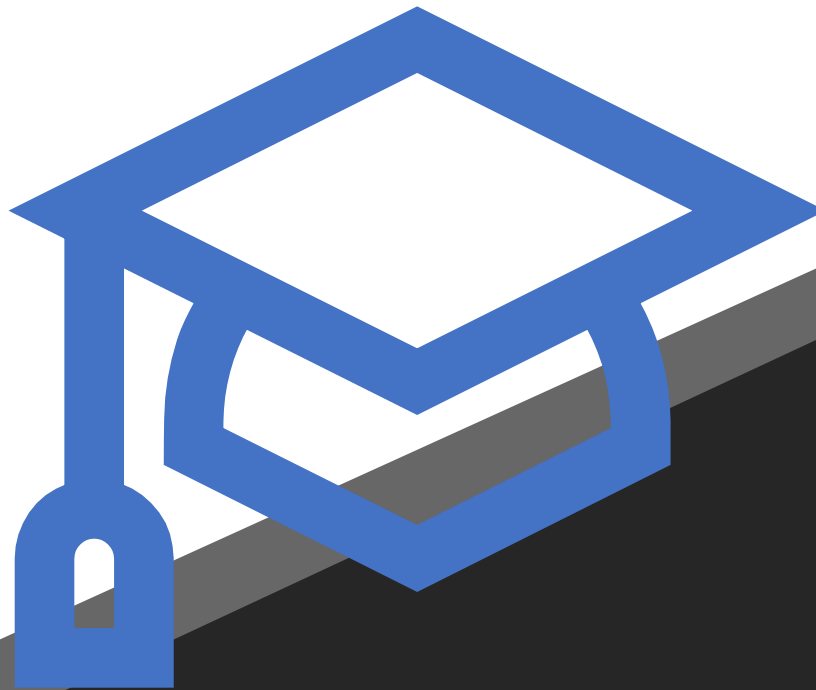


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Table of contents

1.Introduction.....	3
1.1of the Reserch.....	4
1.2 Literature Review.....	4
2. Methodology.....	5
2.1Ethical Consideration.....	5
4.Primary Data Analysis.....	6
5.Secondary Data Analysis.....	10
6. Conclusion.....	12
7.Recommndations.....	13
8.References.....	14
9. Annex(Appendix).....	15





1.Introduction

In this report I will analyze the impact on Virtual Learning Environment in University UWTS London's Campus of the e-Learning platform Moodle Moodle is the most popular platform for implementing remote learning programs.

The features that make it popular are: free platform, open-source and social. *Moodle as a learning platform can enhance existing learning environments(Stanley,2018)*

Having a great portability platform Moodle can be accessed by Windows operating systems, Linux, Mac, etc. Being Open Source, this platform transforms and changes the concept of education. Thus, students move from traditional to modern education the license is free.

Students from University of Wales Trinity Saint David use this platform daily. The problems they encounter we need to detect to help them in the educational process.

1. Rationale of the Research

The present research aims to assess the level of impact of online learning

The general of the research is the qualitative evaluation regarding the impact of Moodle on the virtual education at University of Wales Trinity Saint David, and the purpose is to demonstrate / measure it in the students' lives in order to present a more accurate perception regarding the reception of the message transmitted using as a research method the inquiry based on opinion questionnaire (quantitative method)

Determining the strengths and weaknesses of the services and resources provided by Moodle within the UWTSD. Collecting suggestions and formulating measures to improve the quality of teaching and using Moodle

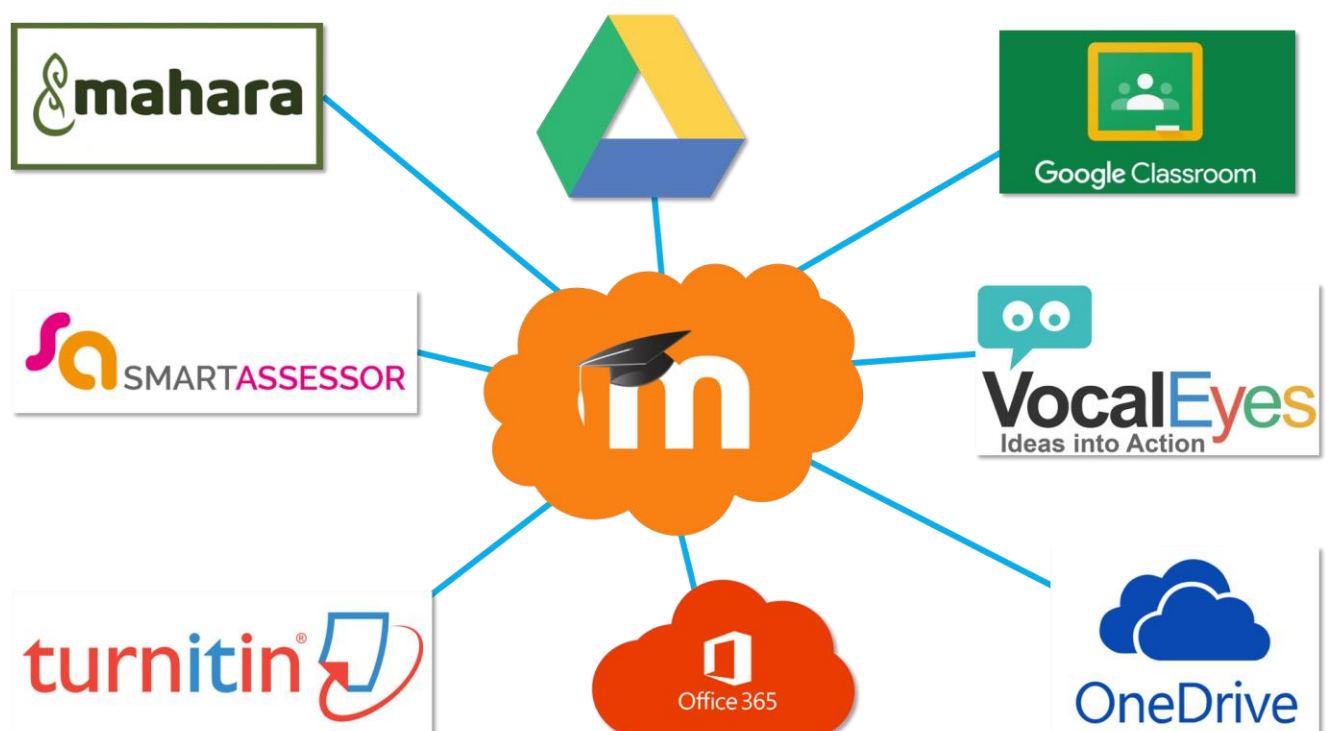
1.1 Literature Review

The purpose of this report is to analyze productivity in the virtual education at University of Wales Trinity Saint David (London Campus).

in order to make an analysis as objective as possible, a comparative research between

Primary Data (Questionnaire) and secondary data (Report made University of Crumbia)

And to give feedback to universities about improvements to this platform. Online learning, namely the Moodle platform, is extremely important for students. They use this platform to receive information from the university, to update exams and others.



2.Methodology

The following report will show an analyze of the importance of Moodle at the UWTSD of the London Campus. To achieve this I have found 25 students on this campus thus obtained primary date.

The analysis was carried out as part of the responses of the Questionnaire (Annex 1) for the academic year 2019-2020. Questionnaire was conducted through Google Forms. The reason why the questionnaire was chosen as a working tool was based on the operationality.. To facilitate the statistical processing of data in the evaluation was used a survey contains closed questions.

The questionnaire consisted of targeted questions, with the help of check marking facilities.

The instrument used:

Interview-questionnaire with closed questions(Google Forms)

Likert scale

Long answer

Check symbol

Method of administering the questionnaire: self-administration.

The return weight of the questionnaires: From a total of 35 questionnaires sent, the recovery rate was 82,86%, so the number of final respondents involved was 29

2.1 Ethical Consideration

Although the questionnaire does not involve the same risks and does not have the same psychological consequences for participants as the face to face

it is essential in order not to prove a misleading opinion, the questions must be written with the utmost care so as not to affect the respondent.

In order to respect the free expression of each student, we opted for an anonymous questionnaire

3.Objectives

- The general objective of the research is the qualitative evaluation regarding the impact of Moodle on the virtual education at University of Wales Trinity Saint David , and the purpose is to demonstrate / measure it in the students' lives in order to present a more accurate perception regarding the reception of the message transmitted using as a research method the inquiry based on opinion questionnaire (quantitative method)
- Determining the strengths and weaknesses of the services and resources provided by Moodle within the UWTSD
- Collecting suggestions and formulating measures to improve the quality of teaching and using Moodle



4.Primary Data Analysis

During the report I will analyze
Primary data and Secondary
data but for a start we get
acquainted with these concepts

What is data ?

- According to the way of obtaining the data, we have:
- **primary data** (direct), in which the data are obtained by collecting, recording them directly from the statistical units (for example: population census, an opinion poll);
- **secondary data** observations - in which the secondary data are obtained, which are taken from the existing documents (for example: the data taken from the accounting records).
- He have quantitative and qualitative data.

Quantitative Data	Qualitative Data
Purpose: classification, quantification, statistical modeling, in order to apply.	Purpose: the complete and detailed description of a certain reality.
The data are presented in numerical-quantitative form.	Data is presented in the form of words, images or objects.
The model is developed before research.	The model develops during the research.
It is focused on testing hypotheses issued prior to data collection.	It is mainly focused on descriptive exploratory objectives and on the generation of hypotheses based on the collected data.
It operates with statistical analyzes, which exclude or limit the subjectivism of the researcher.	General, vague prior knowledge of the reality under investigation.
The researcher tends to remain distant and objective in relation to the investigated issue.	The researcher himself is the tool of data collection.
The researcher uses various tools and techniques to collect data.	It operates with subjective interpretations.

The third question was:

How useful is it for your personal and educational development?
The answers were different, but a large part 10 of the respondents was agree with this statement and 9 was strongly agree . Witch is in concordant with last question , for this reason I expanded my sample size ,and I asked this question again " Is Moodle require for you?"(Annex 2), only those who were interviewed to answer.

Considering that they was extremely subjective.

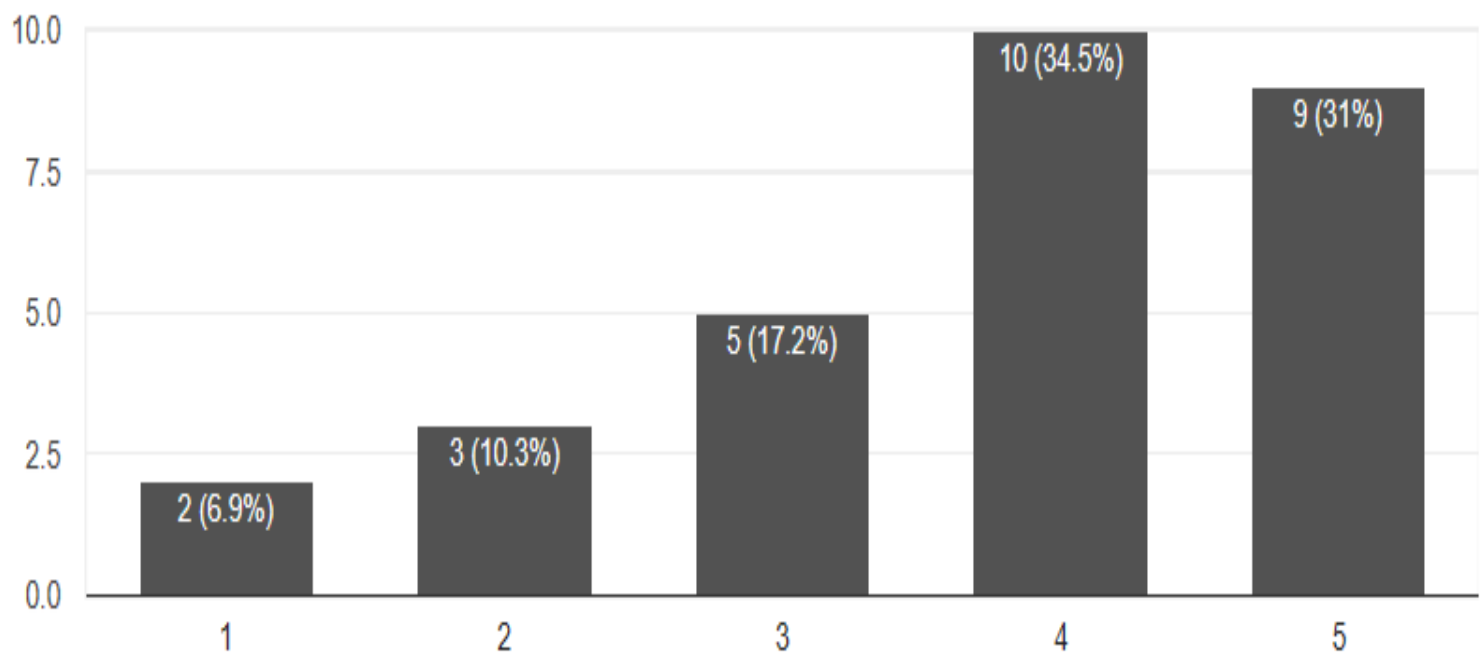
only 16 people answered, where 14 agreed that Moodle is a important platform.

which gives meaning to the answers to the third question.

A total of 19(agree + strongly agree) people agreed that Moodle is useful for their personal and educational development .And 10 of them do not know or do not know or do not agree with this phrase.

How useful is it for your personal and educational development?

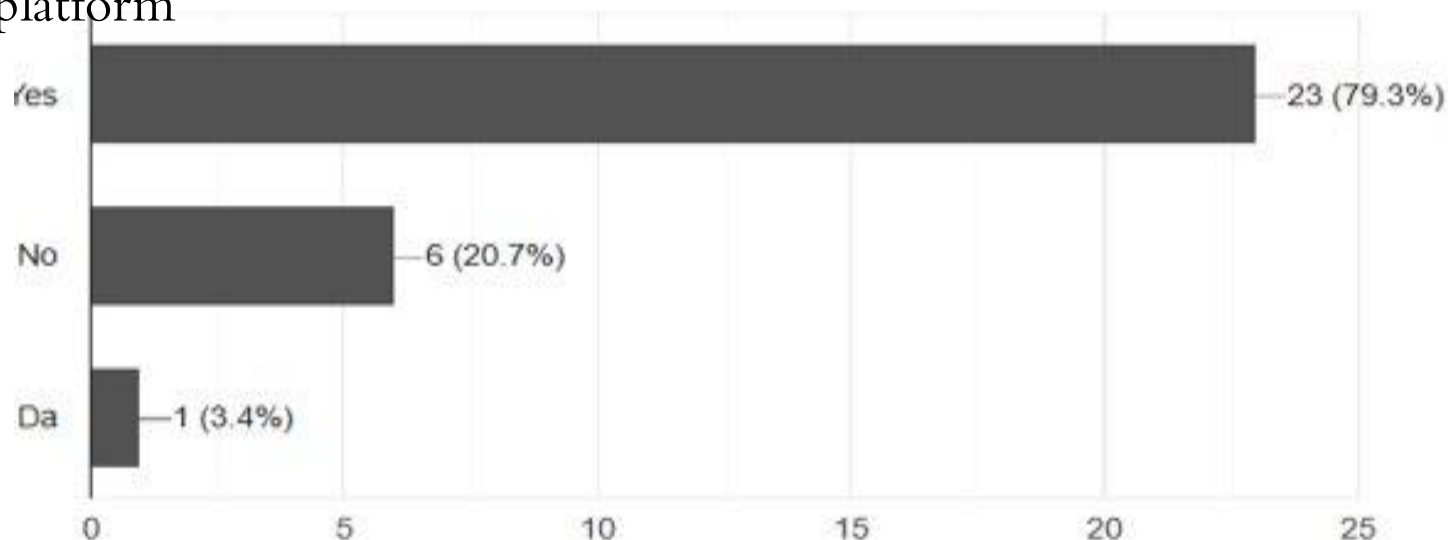
29 responses



The first question was :

Are you using the Moodle Platform?

The first question may seem bizarre, but it is necessary because when sending the questionnaire 3 answers I received negatives that those people do not use Moodle(they did not answer the questions).6 people do not use Moodle, which is worrying most. Hey are in the first term probable and they were not familiar with the use of this platform

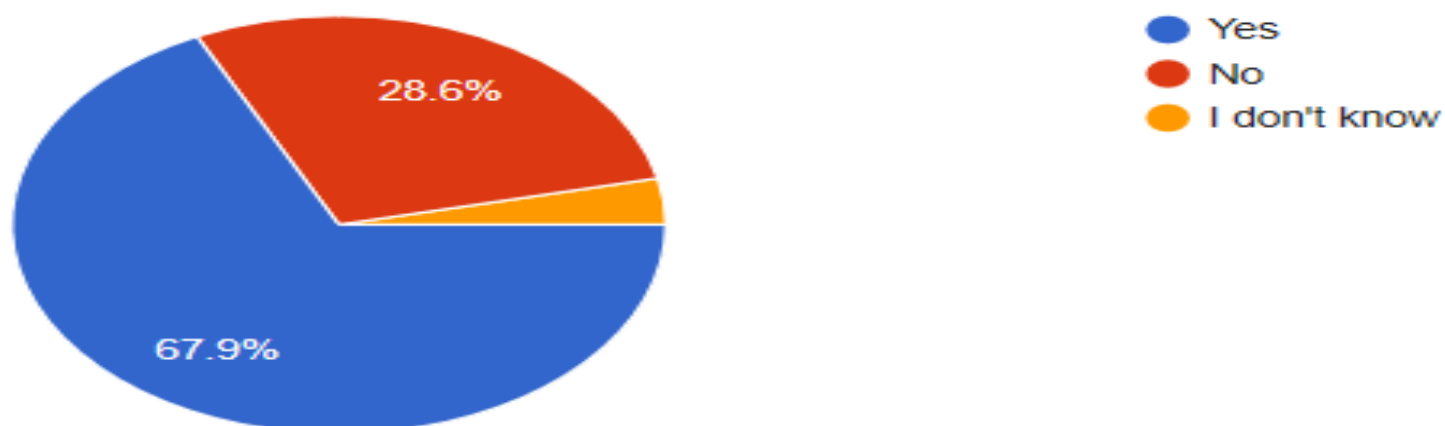


The Second question was :

Q2 Is Moodle require for you?

Where 19 of the respondents answered with YES, 8 with No and 1 do not know.

Some students are not yet aware of the importance of this platform about the lessons they can find, about the library, and more facilities it has.



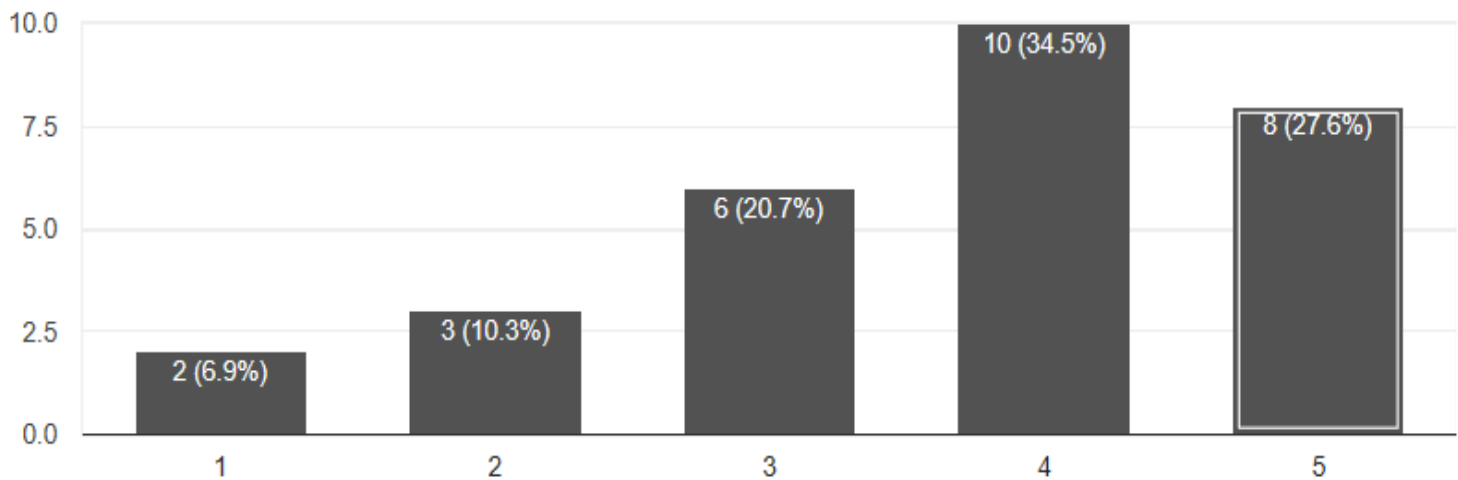
To find out if students can easily access the information, the following question was asked :

How easy is it for you to find information on this platform?

Most said it was easy 18 persons (8 strongley agree +10 agree)

How easy is it for you to find information on this platform?

29 responses



The fifth question was:

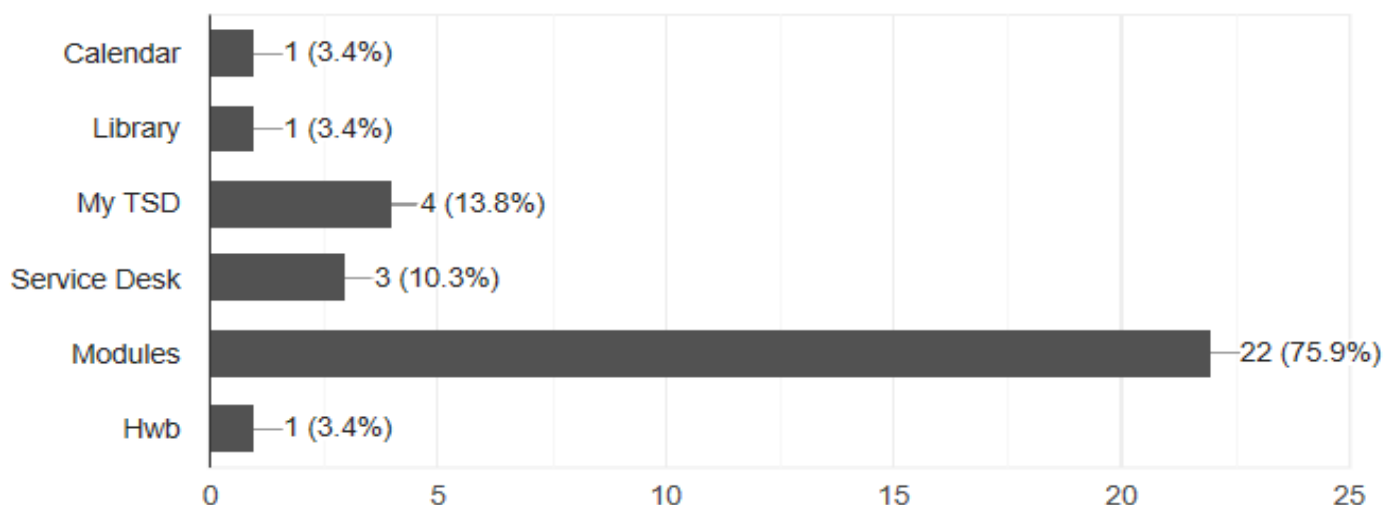
What impediments would you encounter in the educational process(Moodle)?

Most said it was difficult for them to get acquainted with Moodle at first time. They have never used this platform before. And some said they did not pay attention to the presentation given by the university team

The sixth question was asked to understand what tools they use as expected most use modules from here they review the material from classes.

What tools of Moodle do you use?

29 responses



5.Secondary Data Analysis

To prove the importance of Virtual Learning Environment in University UWTS London's Campus I collected secondary data from University of Crumbia

Based on this table presented by the university, it presents the results of the question if "Does the use of VLE in teaching and learning help to develop independent learning?".

Of the respondents, 66.9% “agree” or “agree” that the opportunity to learn using Moodle at the right time, place and at the right pace encourages independent learning (Barker, et all.,2013)

Where students can find the information they need to deepen their knowledge

73.8% “agree” or “agree” that Moodle resources are primarily for information. (Barker, et all.,2013)

Only 24.6% of students "agree" or "agree" that Moodle activities encourage communication between students.(Barker, et all.,2013)

Thus communication between students is not so effective and is complicated to discuss

Question 6d has an average score of 2.63; below neutral (3.0) indicating the respondent's disagreement with the statement that Moodle encourages between students' conversations about work. The average response score for the other statements falls within the “agree” part of the neutral. Responses to aggregate statements indicate that 55% of respondents "agree" or "agree" that the use of SFC Moodle encourages independent learning. However, it should be emphasized that for 6c this shows a high use of Moodle's information repositories.(Barker, et all.,2013)

Table 1. To what extent do you agree or disagree with the following statements that use of SFC Moodle has a positive impact on your achievement? (Question 8).

Answer Options	Strongly Disagree	Disagree	Neither agree or disagree	Agree	Strongly Agree	Mean Score
8a. Moodle has a positive impact on my effectiveness as a student.	(13) 5.2%	(22) 8.9	(71) 28.6%	(123) 49.6%	(19) 7.7%	3.46
b. Moodle is an important and valuable aid to me in my studies.	(16) 6.5%	(16) 6.5%	(71) 28.6%	(120) 48.4%	(25) 10.1%	3.49
c. I learn more with Moodle than without it.	(18) 7.3%	(34) 13.7%	(72) 29.0%	(107) 43.1%	(17) 6.9%	3.29
d. Moodle improves the quality of my learning.	(13) 5.2%	(26) 10.5%	(88) 35.5%	(109) 44.0	(12) 4.8%	3.33
Total Respondents as Percentage of response count	6%	10%	31%	46%	7%	

(Figures in brackets are actual numbers of respondents)

6.Conclusion

Quantitative research(interview questionnaire) is an extremely complex field, found, like any scientific field, in full theoretical and methodological expansion. The quantitative approach is no longer the "Cinderella" of scientific research, but, like qualitative research, requires a lot of theoretical and methodological rigor, and the approach to this field undoubtedly involves special training and thorough specialization. .

E-learning systems will become tools for training the personality and creativity of users. Through personalized training and distributed collaboration, it will be possible to streamline all human activities in the knowledge-based society of this beginning of the century. Assisted training acquires a content with a certain functionality, in a permanent evolution, conditioned by the teams of teachers, trainers and administrators of the content and its functionality and by the specialists in the field of information technology, which ensure portability in the new environments.

The context is open and conditioned by the targeted training segment and the "desire for life" of the living system called e-learning. New information and communication technologies change the perspective on educational practice, completing the educational framework with modern learning methodologies specific to the information society. E-learning does not want to replace traditional educational systems, but to strengthen the learning process. Adopted in schools, as an alternative to traditional education, it has led to the formation of distance learning. At the same time, it facilitates the process of continuous training of members of a community that adopts an e-learning solution. At the university level, e-learning can promote collaborative learning, optimizing the organizational learning process specific to modern enterprises.

7.Recommendations

Most respondents recommended classes and masterclasses to learn how to make the most of this platform. A personal recommendation is to search for information on authorization sites and use the youtube where there are tutorials to learn.

In fact in present scenario students are basic need and essential requirement to learn, systems that fully embrace the potential of digital learning. It stands to reason, that technology should be a crucial part of their educational experience.(Herdiana et al.2008) Moodle has an important role in the educational process of students at University of Wales Trinity Saint David but also at all universities. Students need to be aware and learn to make the most of the tools they can have.

8. References

Barker, J., Gossman, P. (2013) ‘ *The learning impact of a virtual learning environment: students’ views* ‘ Tean Journal 5 (2) July [Online].

Available at: <http://bit.ly/AtMwtr> (Accessed 04 July 2013)

Herdiana R., Shafie A. (2008) '*Moodle: Tool to Manage Probability and Statistics Course in Universiti Teknologi PETRONAS. In proceedings (ICEE 2008) 'International Conference on Engineering Education "New Challenges in Engineering Education and Research 9 in the 21st Century"*, 27-31 JULY 2008, PÉCS-BUDAPEST, HUNGARY

Stanley, A. (2018) '*Technology that puts the classroom in students' laptops* '. The Globe and Mail

9. Annex (Appendix)

Annex 1



The impact of Virtual Learning Environment

The impact of Moodle on students' learning experience in the University of Wales Trinity Saint David London Campus.

***Required**

Are you using the Moodle Platform? *

- ☐ Yes
- ☐ No
- ☐ Other: _____

Is moodle required for you? *

- ☐ Yes
- ☐ No

How useful is it for your personal and educational development? *

1	2	3	4	5
☐	☐	☐	☐	☐

How easy is it for you to find information on this platform? *

	1	2	3	4	5	
Strongly Disagree	☐	☐	☐	☐	☐	Strongly Agree

What impediments would you encounter in the educational process(Moodle)? *

Your answer

What tools of Moodle do you use? *

- ☐ Calendar
- ☐ Library
- ☐ My TSD
- ☐ Service Desk

What recommendations do you have to improve this platform? *

Your answer



THANK YOU
for your
ATTENTION!

Appendix 2

Is Moodle a necessary platform for student development? *

	1	2	3	4	5	
	☐	☐	☐	☐	☐	
Strongley Disagree						Strongley Agree