

**The impact of Virtual Learning Environment –
Moodle on students’ learning experience in
the University of Wales Trinity Saint David
London Campus**

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1. Executive Summary

In 1999, Moodle was created by Martin Dougiamas, who designed the program while working on a postgraduate degree at Curtin University of Technology in Australia (Dougiamas, 2004).

This report is created with the purpose of knowing the benefit of using the Moodle platform through surveys of students from the University of Wales Trinity Saint David, London, where they are mostly satisfied with the platform and also found it useful.

Now, to understand this study I am going to explain the definition of Moodle platform.

The Moodle is a virtual learning platform for students and teachers. Each model is according to the general environment that the educational institution operates, as well as the preparation of the institution, the lecturer and the student (Lam et al., 2015).

This report will provide information on how useful and beneficial this platform can be for the students at this University.

KEY WORD: Moodle.

2. Introduction and Objectives

The purpose of this report is to research and analyse the impact of Virtual Learning Environment – Moodle on students' learning experience in the University of Wales Trinity Saint David London Campus.

The study is based on developing a questionnaire about the benefits of using the Moodle platform, as a primary data collection tool for level 4 students at this university and with the results of this questionnaire based on the students' virtual learning experience (VLE), that will be analysed as a secondary tool for data collection. Finally, we will give a conclusion on whether this platform is useful or not for students of this University, from the analysis of the primary and secondary data that we obtained as a result.

3. Literature Review

I found about other authors survey from my colleagues of the University, where the type of survey used was by **questionnaire**. So, I am going to talk about 3 different survey that I found interesting.

- The first one, the name of the survey was the use of Moodle platform by Samantha Moncayo with a multiple choice questionnaire. As a conclusion to her questionnaire, she obtained that most students who use this platform are women. With an age range

between 26 to 35 years and that all who answered their questionnaire said that this platform is very useful. In my opinion, with the results that she obtained, I think that this platform is easily accessible for adults, especially for people who have not used this platform before.

- The second one is the survey of my colleague Alejandro Benito, where one of the most relevant answers that he obtained was that the students had never used this Moodle platform before, and that they have experienced some difficulty using this platform, especially to submit reports to the Turnitin program. In my opinion, I think that his questionnaire was easy to answer and that the Turnitin should be improved or changed to make it easier for new students.
- The last one is the survey from my colleague Sakara Campbell, her survey had a common question such as what is your gender, age and she found in her survey that students use the Moodle weekly and the students recommend the Moodle to others. I think that this survey compared to other questionnaires, this one had many questions like the rest of my colleagues and that she asked very basic questions.

4. Primary Research

4.1. Methodology:

In this report, the type of survey selecting is the **Simple random sampling** with a multiple-choice questionnaire of 10 questions by online. To create this survey, I use the Google forms, which can be found for free in your google drive account.

The questions are:

- 1.What is your Age? with the option of drop down to answer.
2. What is your gender? With several options to answer.
3. How much time do you spend on Moodle? With the option in a box to answer it.
4. What device do you mainly to access Moodle on? with the option of drop down to answer.
5. How often do you use Moodle? With the option in a box to answer it.
6. Are you satisfied with the Moodle? With the linear scale to answer.
7. Dou you find the module useful? with the option of drop down to answer.
8. What is your reason to use the Moodle? With the option in a box to answer it.
9. How often do you check your University emails on Moodle? With the linear scale to answer.
10. Would you recommend Moodle to other students? With several options to answer.

4.2. Ethical considerations:

We need to protect personal to prevent identity theft, intrusive media hacking private information. I understand that being ethical is "doing good and avoiding evil".

So, we do protect the personal data according to The Data protection act 1998 to protecting privacy and integrity of other people.

5. Results

Q.1 This is a nominal question:

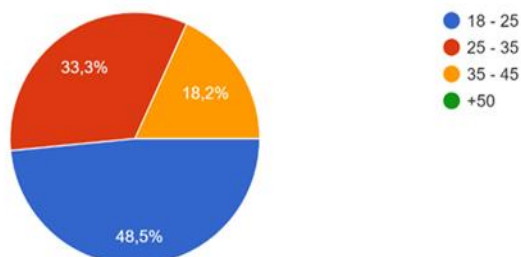
1.What is your Age ? *

1. 18 - 25
2. 25 - 35
3. 35 - 45
4. +50

Frequency Table:

Range of Age	Count of respondent
18-25	16
25-35	11
35-45	6
+50	0
Grand Total	33

1.What is your Age ?



t:

Report:

The most range of age that the respondents indicated was between 18-25 years with 48,5%. The next most popular range of age was between 25-35 years identified by 33,3% of the total the respondents and finally 18,2% of the respondents was between 35-45 years od the total the respondents.

The results in the graph indicate that most students who use this platform are between 18-25 years old.

Q.2 This is a nominal question:

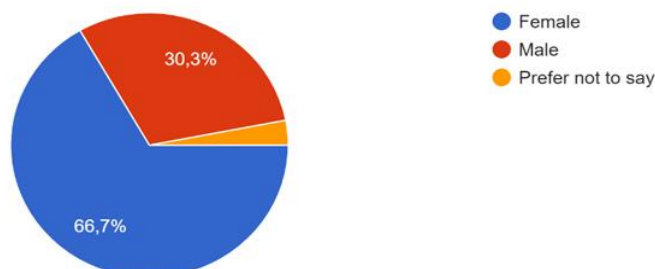
2. What is your gender? *

- ☐ Female
- ☐ Male
- ☐ Prefer not to say

Frequency Table:

Gender	Count of respondent
Female	22
Male	10
Prefer not to say	1
Grand Total	33

2. What is your gender?
33 respuestas



Report:

The most of gender that the respondents were Females with 66,7%. The next most popular of respondents were Male identified by 30,3% of the total the respondents and finally only 3% of the respondents prefer not to say.

The results in the graph indicate that most students who use this platform are Females.

Q.3 This is a nominal question:

3. How much time do you spend on Moodle? *

☐ Less than 2 hours

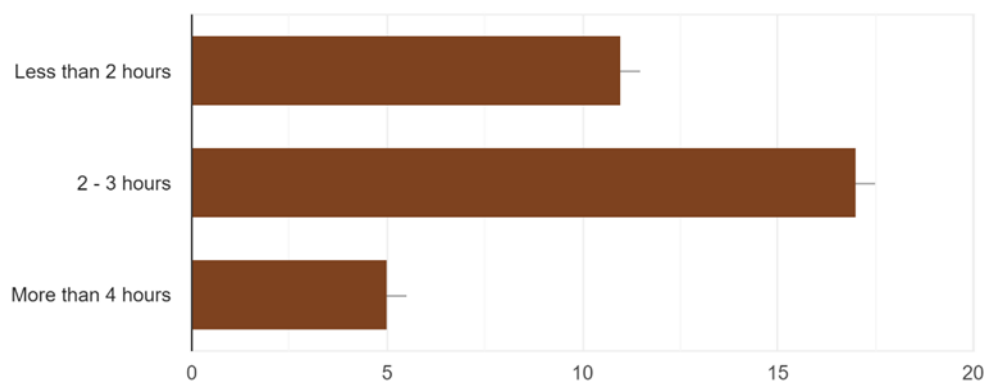
☐ 2 - 3 hours

☐ More than 4 hours

Frequency Table:

Time spend on the Moodle	Count of respondent
Less than 2 hours	11
2-3 hours	17
More than 4 hours	5
Grand Total	33

3. How much time do you spend on Moodle?



Report:

Most of the respondents spend time between 2-3 hours with a total of 17 students on the Moodle. The next most popular of respondents spend less than 2 hours on the moodle with a total of 11 students and finally only 5 of the respondents spend more than 4 hours on the moodle.

The results in the graph indicate that most students spend time between 2-3 hours per week.

Q.4 This is a nominal question:

4. What device do you mainl to access moodle on? *

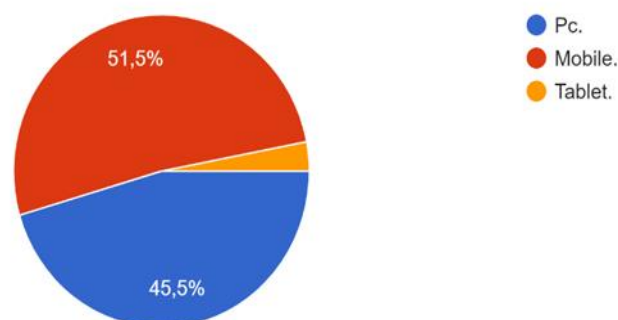
1. Pc.
2. Mobile.
3. Tablet.

Frequency Table:

Device to access to moodle	Count of respondent
Pc	15
Mobile	17
Tablet	1
Grand Total	33

4. What device do you mainl to access moodle on?

33 respuestas



Report:

The most respondents indicated that they use a mobile to access to the Moodle with a 51,5%. The next most popular device to access the Moodle is a Pc. were identified by 45,5% of the total the respondents and finally only 3% of the respondents use Tablet as device to access the moodle

The results in the graph indicate that most students who use as device to access the Moodle is a Mobile phone.

Q.5 This is a nominal question:

5. How often do you use moodle? *

☐ One a week.

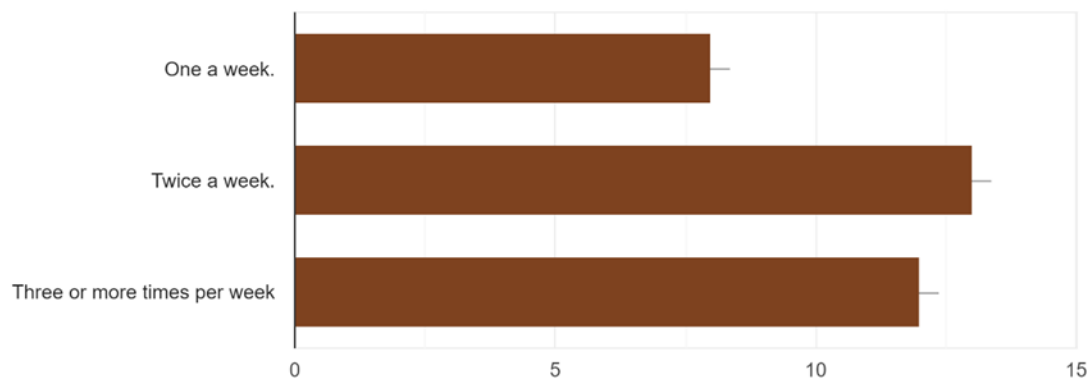
☐ Twice a week.

☐ Three or more times per week

Frequency Table:

Frequency of use the Moodle per week:	Count of respondent
Once a week	8
Twice a week	13
Three or more times per week	12
Grand Total	33

5. How often do you use moodle?



Report:

The most the respondents use the Moodle twice a week with a total of 13 students. The next most popular of students are 12 that they use with a frequency of three or more times per week the moodle. Only 8 respondents use once a week the Moodle.

The results in the graph indicate that most of respondents use the Moodle two times per week.

Q.6 This is a nominal question:

6. Are you satisfied with the moodle? *

1 2 3 4 5

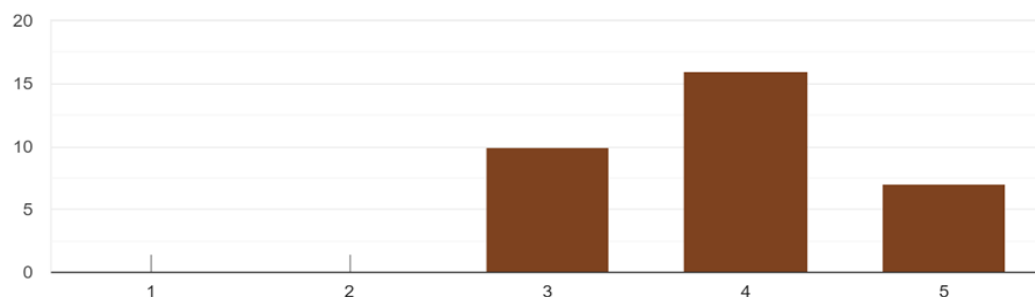
Strongly unsatisfied ☐ ☐ ☐ ☐ ☐ Strongly satisfied

Frequency Table:

Satisfaction with the Moodle:	Count of respondent
Strongly unsatisfied (1)	0
Dissatisfied (2)	0
Neither (3)	10
Satisfied (4)	16
Strongly satisfied (5)	7
Grand Total	33

6. Are you satisfied with the moodle?

33 respuestas



Report:

Most of the respondents with a total of 16 students are satisfied with the moodle, 10 of the respondents feel neither of the satisfied with the moodle and 7 of the respondents are strongly satisfied with the moodle.

The results in the graph indicate that most students are satisfied with the Moodle.

Q.7 This is a nominal question:

7. Dou you find the module usefull? *

1. Yes

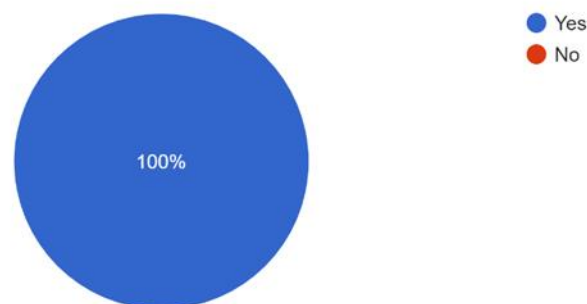
2. No

Frequency Table:

Useful of Moodle:	Count of respondent
Yes	33
No	0
Grand Total	33

7. Dou you find the module usefull?

33 respuestas



Report:

All the respondents find useful the moodle with a total of 100% of it.

Q.8 This is a nominal question:

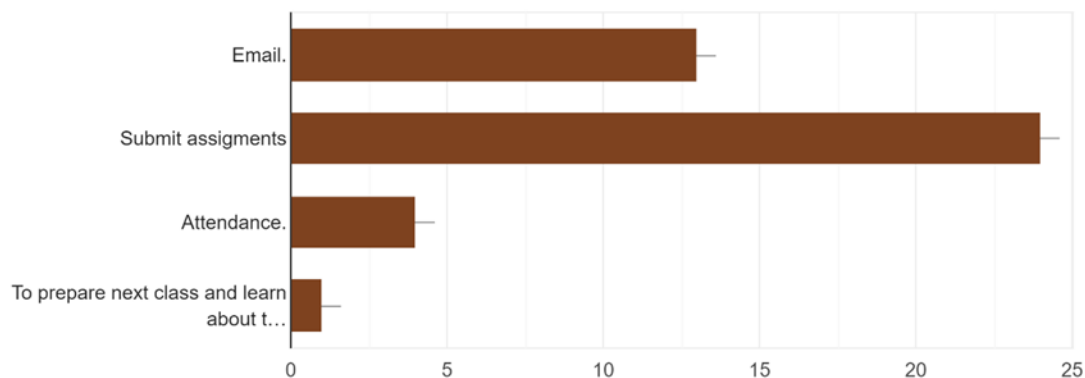
8. What is your reason to use the moodle? *

- ☐ Email.
- ☐ Submit assignments
- ☐ Attendance.
- ☐ Otra...

Frequency Table:

Reason to use the Moodle:	Count of respondent
Email	13
Submit assignments	24
Attendance	4
Other	1
Grand Total	42

8. What is your reason to use the moodle?



Report:

The most reason to use the Moodle is for Submit assignments with a total of 24 respondents, next most popular is for Email with a total of 13 respondents, 4 respondents use the moodle to check the assistance and 1 respondent use to prepare next class and learning. The most reason to use the moodle is to submit assignments.

Q.9 This is a nominal question:

9. How often dou you check your University emails on moodle?

1 2 3 4 5

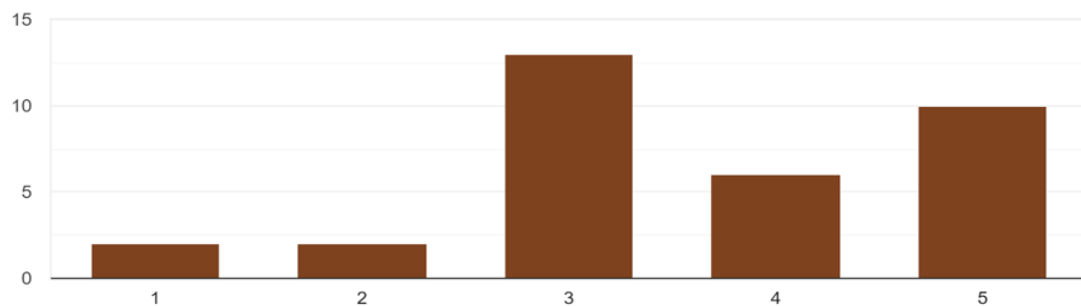
Never ☐ ☐ ☐ ☐ ☐ Always

Frequency Table:

Frequency to check the Emails on Moodle:	Count of respondent
1 Never	2
2 Hardly never	2
3 Sometimes	13
4 Often	6
5 Always	10
Grand Total	33

9. How often dou you check your University emails on moodle?

33 respuestas



Report:

The most respondents indicated that 13 of students use sometimes the Moodle to check the emails, 10 respondents use always the moodle to check the emails, 6 respondents use often the moodle to check the email, 2 of respondents hardly never use the moodle to check it and finally only 2 respondents never use the moodle to check the email. The most respondents use sometimes the Moodle to check the emails.

Q.10 This is a nominal question:

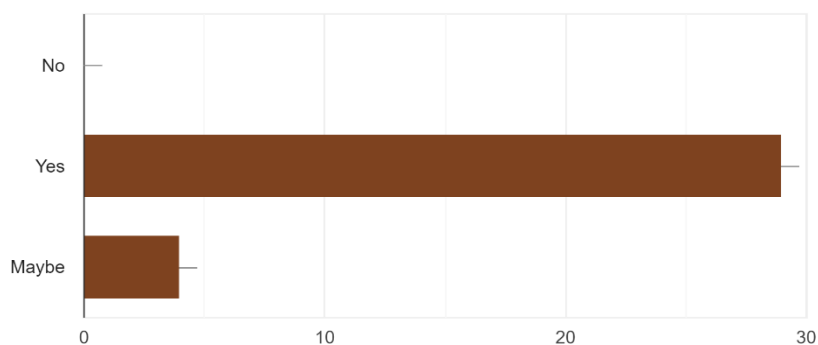
10. Would you recommend moodle to other students?

- ☐ No
- ☐ Yes
- ☐ Maybe

Frequency Table:

Recommend to other students the Moodle:	Count of respondent
No	0
Yes	29
Maybe	4
Grand Total	33

10. Would you recommend moodle to other students?



Report:

The most respondents with a total of 29 respondents said, yes to recommend to other students de Moodle. Only 4 respondents maybe recommend the Moodle to other students. Most the respondents recommend the Moodle to other students.

6. Limitations of the Study

Getting the exact question right was not easy, as was sorting the questions or selecting the question format.

The information you receive from a convenience sample does not reflect how a general population group feels about something specific. You cannot generalize the information from the questionnaire as they are not accurate which could be the result of unavailability of resources, small sample size, flawed methodology.

7. Conclusion

My conclusion in this report is that respondents do find the use of this platform beneficial, since most of them answered that this platform is useful.

Compared to other surveys, it is similar in result as they would also recommend the platform to other students.

So, is benefit the use of the moodle platform on the University of Wales Trinity Sant David, London to the students.

8. References

Bibliography

Dougiamas, M., (2004). Moodle. *Retrieved online*, 27(02), p. 2004.

Lam et al., J., ed., (2015). Communication in computer and information science 559. In: *Technology in Education. Technology mediated proactive learning*. Hong Kong: Springer, p. 26.

9. Appendix