



Digital Skills and Research Methods

BMSW4003



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Impact of Virtual Learning Environment

-Moodle-

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Introduction

This report is based on the impact of Virtual Learning Environment (VLE)-Moodle on students' learning experience at University of Wales Trinity Saint David, London Campus. I created a questionnaire and based on it, I will perform a research to find out how students are satisfied with virtual learning experience.

To see how learning looks like in VLE such as a Moodle, it was launched a new blended Learning Essentials called Moodle Hub. After creating an account, it is easy to see the course information and activities that you could easily join in organization, college, or university. (Future Learn, 2013)

Literature review

To study using e- learning platform it is a new modern teaching strategy for all universities and schools in the world.

A questionnaire was made from a group of different students from different universities and after survey they realized that Moodle platform could increase interest of motivation in learning and developing by performing different activities in the virtual space by teachers or students. (Oproiu,2015)

Many research have been made to increase importance of studies not only in student's life but also in early childhood teachers to be inspired for the future learning studies.

The VLE evidence that was made on children's in social emotional learning and teachers' reflection about making choice an opportunity to discuss according activity and to suggest or support teachers professional development study. (Dobro, 2021)

Research methodology

Qualitative research method:

This research based on analysing non-numerical data and collecting options or experience which can be used to create an idea on this research, this could be audio, text, or a video.

(P. Bhandari, 2020)

Quantitative research method:

This research is more based on experimental research, which can be taken from summary of a study or results that are generalised, for example: survey, experiment, secondary research. (P. Bhandari, 2020)

Now I will use both; qualitative and quantitative research methods and I will create graphs based on statistic data, so we can understand better students' opinion regarding the VLE learning – Moodle.

Sample size

This refers to a few participants presented in a study to draw a conclusion. (Work and Heath,2017)

This research will be carried on within University of Wales Trinity Saint David, there are 11 students: 8 female and 3 males, that answered on my questionnaire.

Data collection process

This is the process to collect much information from different sources to enable an organisation or person to answer questions and make prediction about future on an online survey that can help to understand population. (Contributors, 2017)

I created questions based on student's satisfaction VLE learning. I will Collect information Likert five-point scale which are: agree, strongly agree, strongly disagree, disagree, neutral. This way students can answer all my questions quick and easily and allows to me to get the information quicker. After I have the information This will help me to see students' opinions within VLE learning. I will share the questionnaire between my colleagues and other students from University of Wales Trinity St David, to understand their idea and opinions.

VLE learning analytics

This collected information will be private, and after analysing this will allow students to help them understand their activity and learning or exploring, this also can help the organisation to assist students to understand specific part of the course or by identifying potential support they may need. (Edinburgh,2020)

Primary and secondary research

Primary data

Involves collection of original data which is collected by the researcher themselves.

Secondary data

Can be used from different studies and industries that are already on the market. (Guide, 2020)

In the next step I am going to analyse the primary data and secondary data and compare with the information I have collected, to have more control on my survey so on the end I can have an idea.

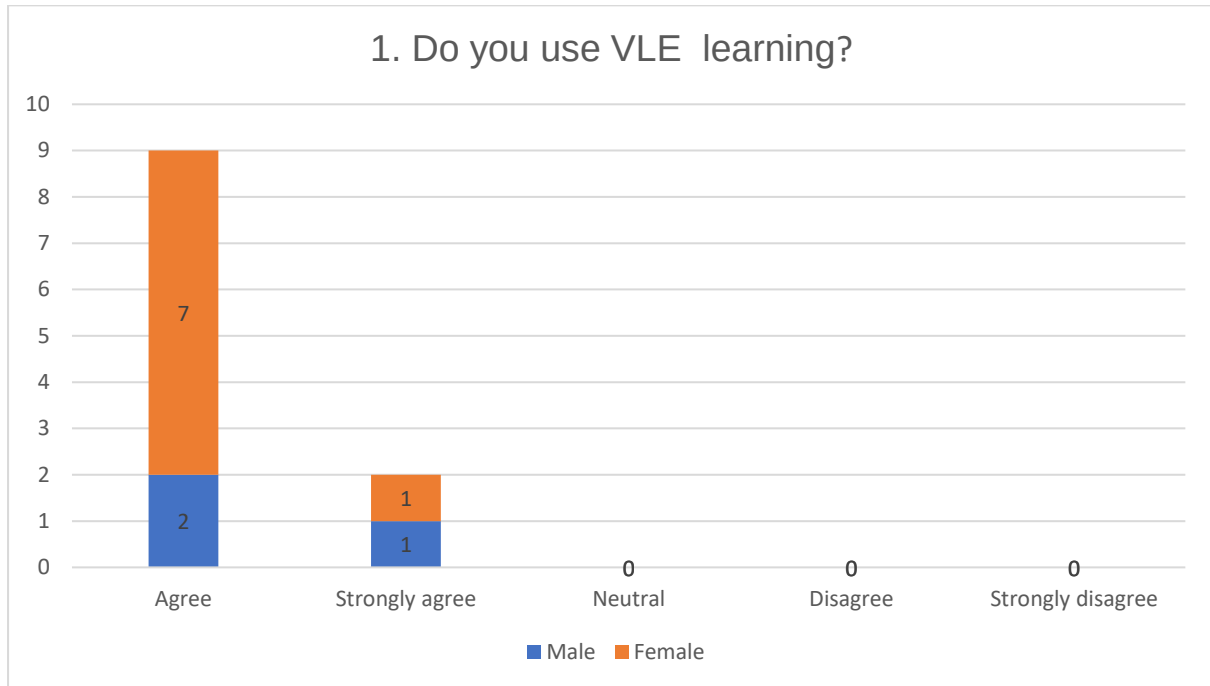
A good research can help a survey to focus on a specific problem, that an organization or a person is facing.

Survey are studies that are used to explore the situation and do improvements, this can be made by using questionnaire or can be an interview. (Kelley, 2003)

In this case I will be presenting charts, and I will add the information that I have been taken from my questionnaire and they are going to be completed by students to help to improv and understand if they are happy using Moodle in VLE learning.

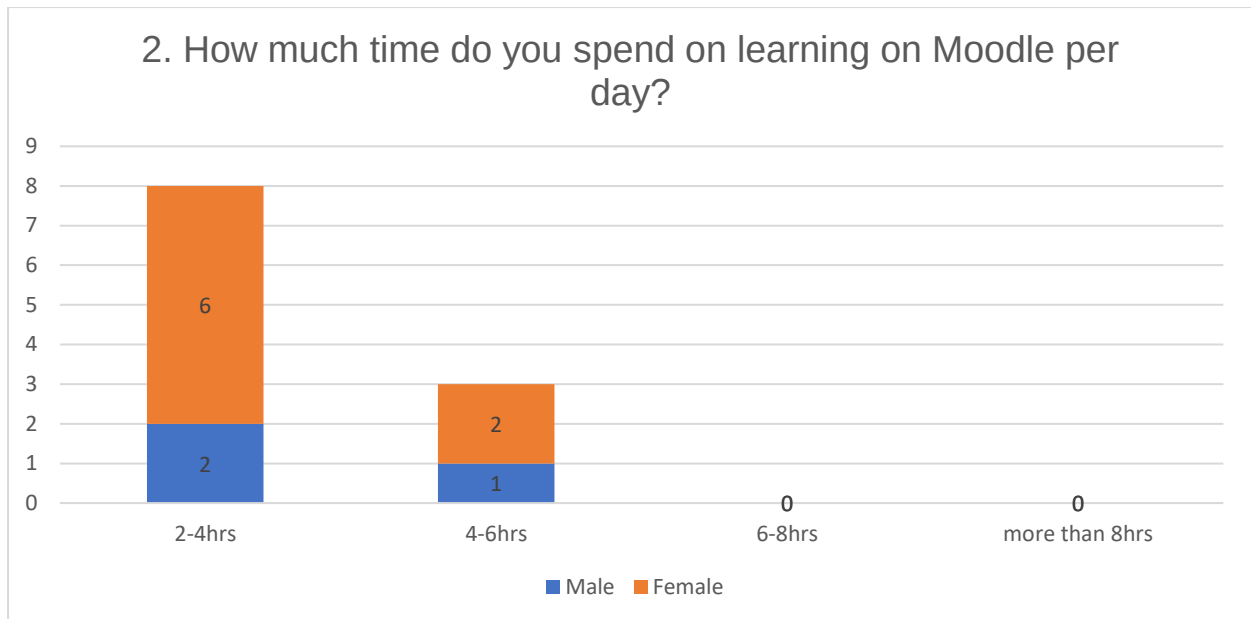
I decided to have a look at seven questions from my questionnaire and present them in my report. On the end of this survey, I will conclude with my opinion and collected data.

Students satisfaction survey questionnaire



Q1- Chart analysis – “Do you use VLE learning?” Based on this question, students gave the answers and here is a higher level of “Agree” and “Strongly agree”.

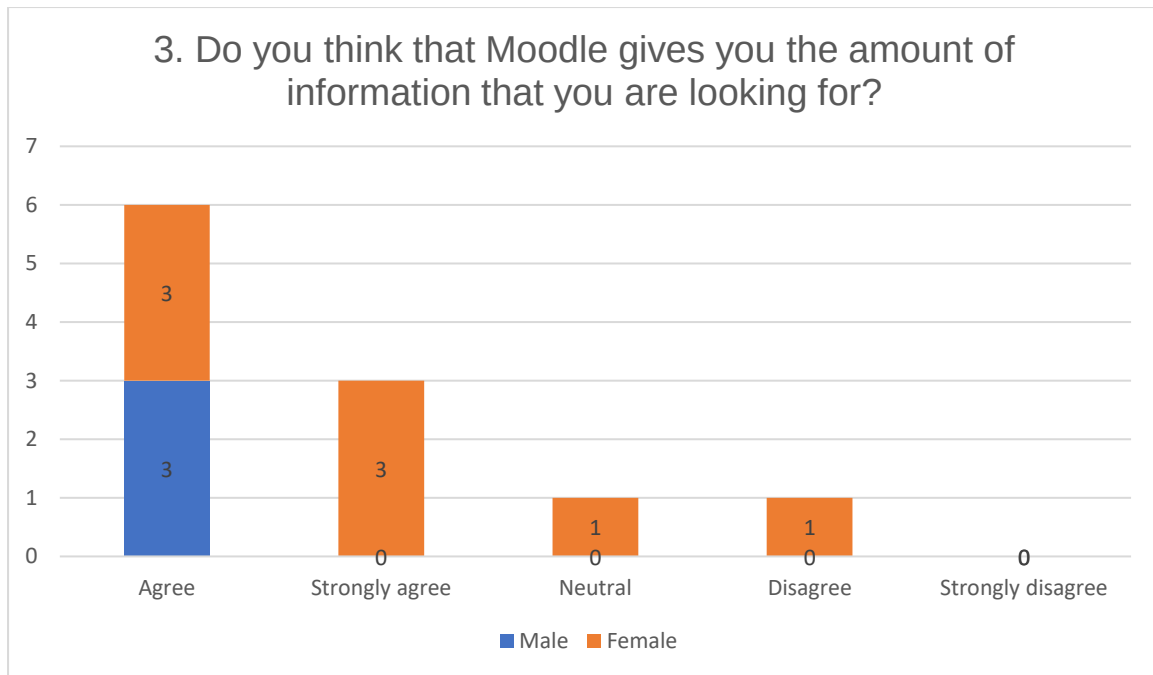
Two male and seven female they chose “Agree” and one male and one female they chose “strongly agree” on this analysis on the first question we have only positive answers, and it looks like everyone is enjoying using the VLE learning, as the result is clear I will move forward for the next question.



Q2-Analysis- based on this question “How Much time do you spend on learning on Moodle per day? “, here most of students they chose option one which is 2-4 hours per day.

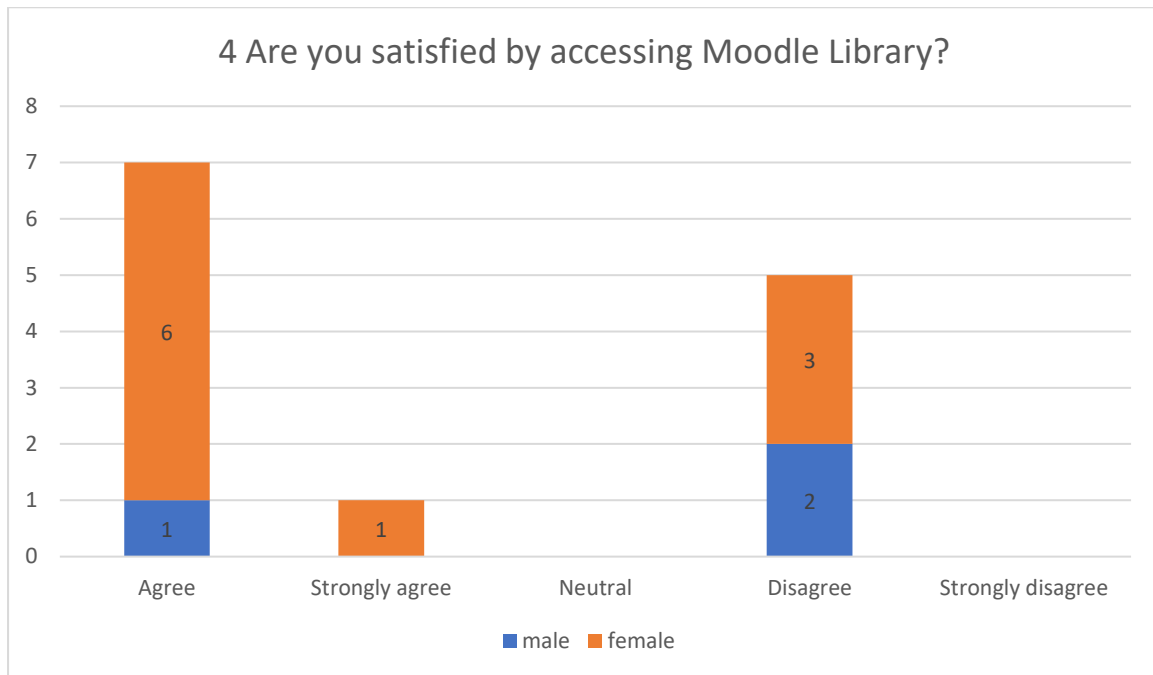
Here we have six female and two males that they choose first option. Three students they choose option two, which is 4-6 hours, which is great but there are only two female and one male. Next option 6-8 hours and more than 8 hours, none of the students did not choose these options.

This survey regarding this question it is very important as all students are spending time to learn on Moodle even if it is short time or long time, this shows this platform is used by every student.



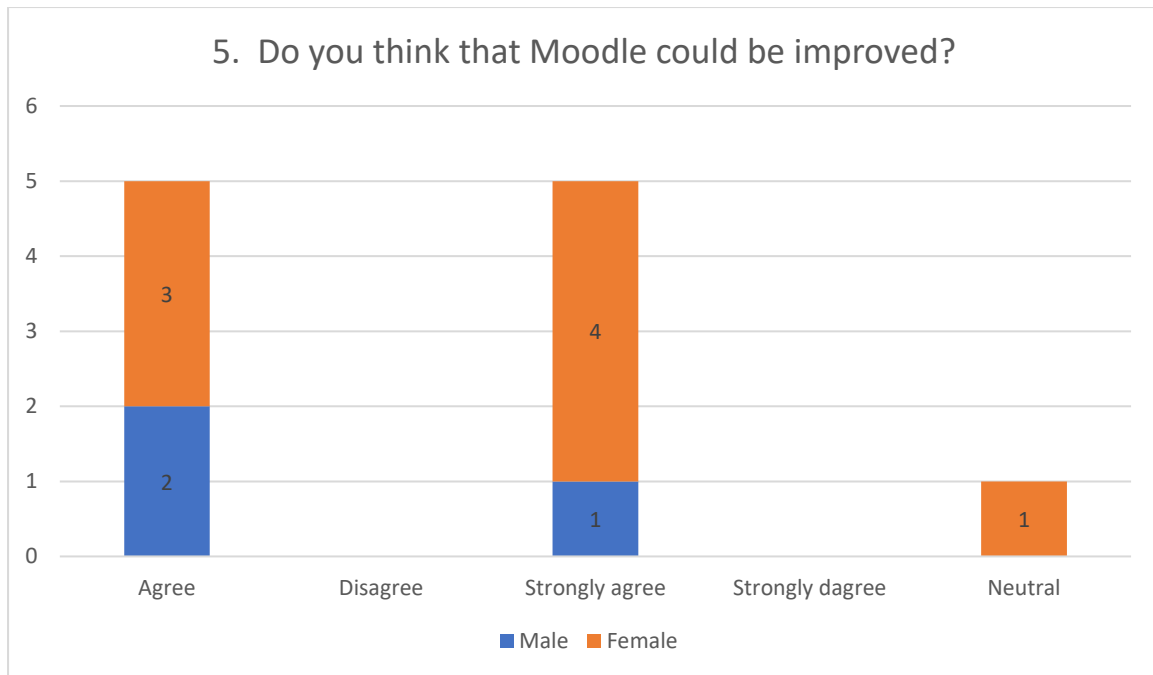
Q3 Analysis- Based on this question “Do you think Moodle gives you the amount of information that you are looking for?”, here I have answers, most of the students have chosen option one; three male and three female, chose “Agree”; three female chose the option two, which is “Strongly agree”, one female chose option three which is “Neutral”, and option four “Disagree” was chosen by one female, and option four no one didn’t chose it.

Based on survey for question three, most of the students they are happy with the information on platform, but also here could be some improvements on Moodle to give enough information so everyone is happy while using this learning platform.



Q4-Analysis- Based on the question “Are you satisfied by accessing Moodle Library?”, here Six female and one male have chosen first option which is “Agree”, the second option “Strongly agree” was chosen only by one female, option four which is “Disagree” was chosen by two male and three females.

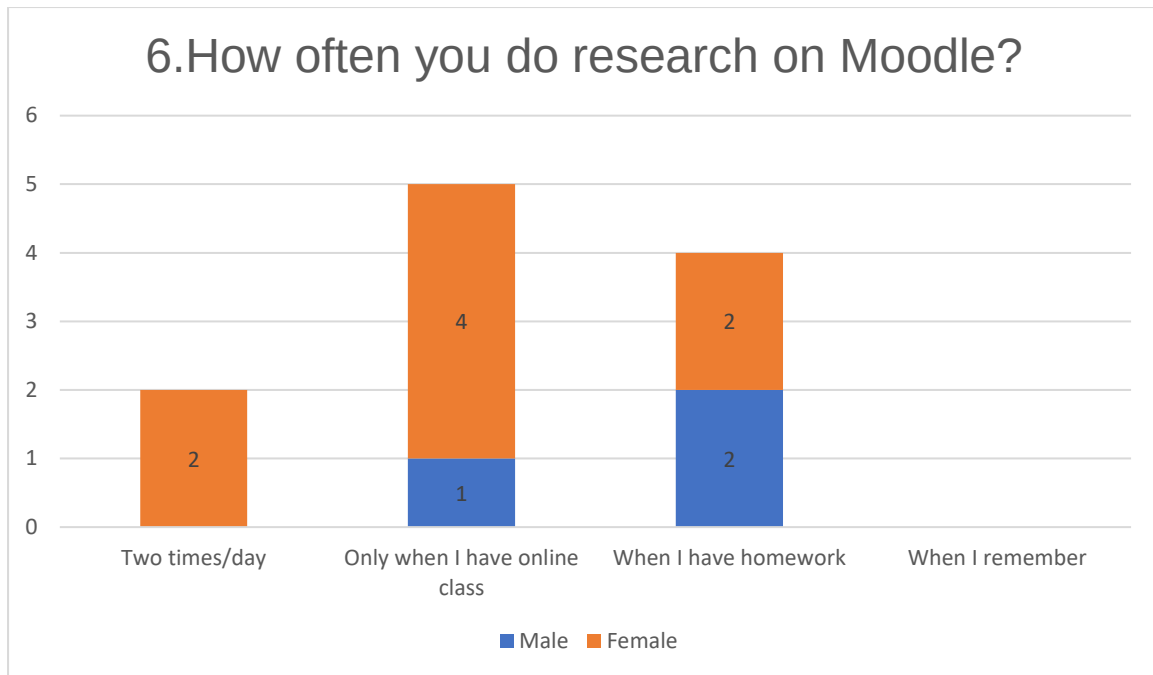
Based on survey that is made for this question, here most of the students they are happy by accessing Moodle library, but also there is five students that they are not satisfied by accessing Moodle library the reasons that they gave are that Moodle library it is too slow, and it is very hard to find the information as every time you access a link you must log in again, and that it takes lots of time.



Q5-Analysis- Based on question five which is “Do you think that Moodle could be improved?” The results are showing that the first option which is “Agree”, Was chosen by three female and two males, the option three which is “Strongly agree” was chosen by one male and four females, and one of the females choose option four which is “Neutral”.

As a result, is clear students are saying that the Moodle could be improved, and they are strongly agreeing on that.

Moodle it is also appreciated by students but to become a better platform, by this survey we can improve in a better way so everyone will be satisfied while using it.

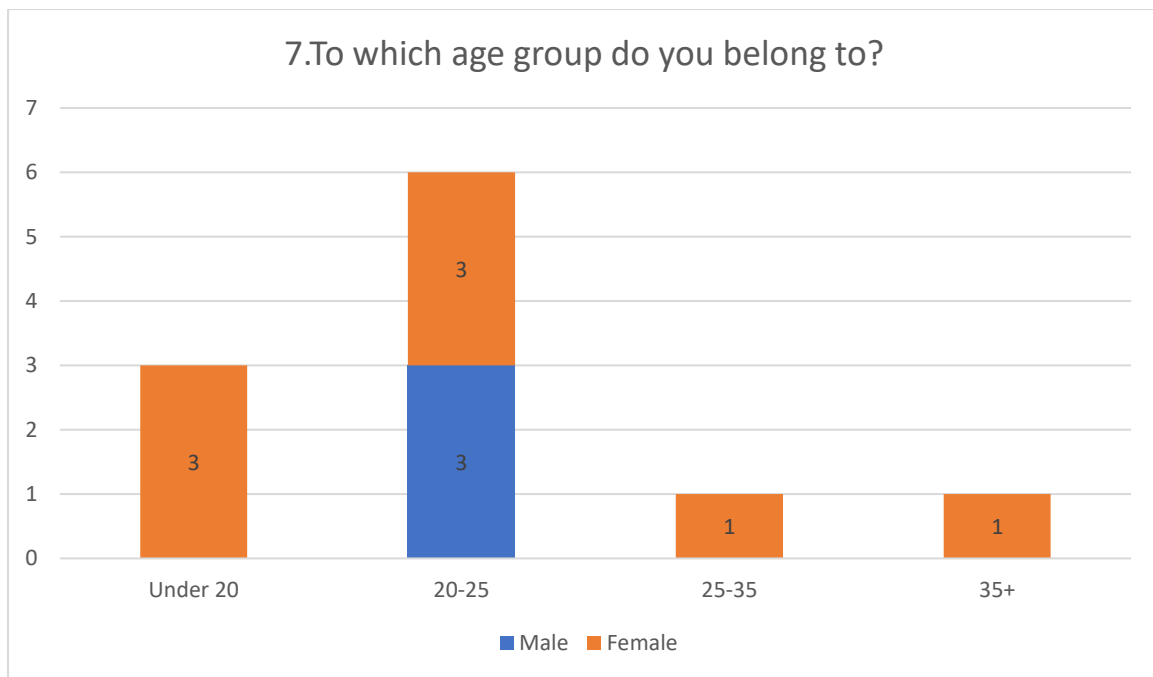


Q6-Analysis- Based on this question “How often you do research on Moodle?”

First options were chosen only by two females, so they do researches on Moodle “two times/day”. Second option “only when I have online class” was chosen by most of students; one male and, four females. The third option was chosen by two female, and two males.

As a result, it looks like not many students are using Moodle in their free time, in addition, if they could access Moodle daily that could improve their learning and that also could help them on digital skills.

With a Questionnaire many types of surveys, could be made in many ways. This can collect big advantages to one organisation, it is easy to target groups and cheap way to find out the people satisfaction in a short time. (Guj, 2010)



Q7-Analysis- Based on this question “To which age group do you belong to?” Three female students are under 20 years old age group; three male and female are between 20 - 25; one female belongs to age 25 – 35; There is also one female that belongs to 35+, age group.

As a result, I think that at any age is good to start learning in University, age is not important if you have future plans, and you want a good career in your life.

In my opinion at age 20-25, it is the best age to start university as in that time we are becoming more mature and we are ready to face the obstacles.

Conclusion

To conclude this analysis and the information collected, I can say that this way we could find out the opinion of students, in an easy way and in a short time. The questionnaire had a big impact as each student could express their opinion in an easy way any short time.

I can recommend the questionnaire to be used in surveys as most of the students they are always in rush and If there will be no option to have an easy way to complete a survey, no one would not do it.

I am happy that there is a way to be more productive and to not waste time, as there is such as, surveys with Likert 5-point scale this are interesting options, and they are allowing faster answer and easy data collection.

The most of students they are satisfied by using Moodle Platform, as there are many ways to log in, also in this pandemic situation there is easy way to find out what is going on in University by accessing different programmes that will help you with any support you need.

I will also say a few things about Moodle library as there have been many errors that students are facing even in this time, as everyone is facing these issues, I think the library should be improved so students can easily find information, books, and support that they need for future.

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