

Impact of Virtual learning environment about uwtsd students

Eliana tirrito 2013032

Bmsw4003 digital skills and research method

Lecturer modak koushik

Introduction

In these months we are living a bad period that has changed our life and our lessons method, using the virtual learning environment to the previous face to face lessons. There are many type of virtual learning: Microsoft teams, Moodle, Chamilo, Sakai, fronter, frog, but at the university trinity saint David the student use the first two. The virtual learning environment has a lot of positive merits: resources and homework are uploaded from teacher away from school, you can access whenever you want to the class materials, you have student service 24/7, they help you if you have some problem with moodle or Microsoft teams and you can access to student service, london assessment, it service desk, London admission and online library. In this university, we used: Microsoft teams, for access to lessons online, lessons calendar, some lessons file; moodle, for access to lessons material, assessment, online library, your student email, your tsd, hwb and service desk. The VLE is important, because especially in this period, you can continue to study even if you are in your city, with the laptop, tablet, mobile, and because it help you to stay safe. With the VLE, you can make also job's meeting. Empirical evidence suggests that the use of a Virtual Learning Environment (VLE) has an impact on student achievement, encourages independent learning and increases students' motivation to learn (JISC, 2008). A virtual learning environment (VLE), so is a set of teaching and learning tools designed to enhance a student's learning experience by including computers and the Internet in the learning process. The principal components of a VLE package include curriculum mapping (breaking curriculum into sections that can be assigned and assessed), student tracking, online support for both teacher and student, electronic communication (e-mail, threaded discussions, chat, Web publishing), and Internet links to outside curriculum resources. In general, VLE users are assigned either a teacher ID or a student ID. The teacher sees what a students sees, but the teacher has additional user rights to create or modify curriculum content and track student performance. There are a number of commercial VLE software packages available, including Blackboard, WebCT, Lotus LearningSpace, and COSE. I will conduct a research trough questionnaire and survey as primary data collection, and network journal, internet site, as secondary data. After I made an excel table, for collect the information. Due to the pandemic the questionnaire was carried out online.

Rationale

The reason of this research is for understand which impact has the virtual learning environment for the students of university trinity saint David, in particular for certhe group2.

The VLE usually has some advantages and some disadvantages. The advantages of VLE are: Easy Tracking and Assessment, Seamless Delivery, Time Savings, Financial Savings, Communication and Connection, Flexibility. The disadvantages, instead are: Dwindling Attention Spans, Getting Lost in the Material, Discomfort with Technology, Limitations.

Research objectives

The objectives of this research are show you what the student of our university, certhe group 2, think about the vle, what they would like to change, how useful is vle for them, which type they use, if they recommend it, if is easy for them to use it, and how many type of virtual

learning environment they know. I tried to understand how effective are VLE for the student, and most student, despite these disadvantages they find the VLE very useful and easy to use.

Literature review

among the authors who speak, and have conducted research on the impacts of virtual learning environment we find: Peter Gossman and Jenny Barker. Peter Gossman and Jenny Barker are from the University of Glyndŵr who wrote an article about the world of VLE through the eyes of students at a Sixth Form College. The article "BARKER & GOSSMAN: THE LEARNING IMPACT OF A VIRTUAL LEARNING ENVIRONMENT: STUDENTS' VIEWS" was selected since Jenny Barker and Peter Gossman have also written other articles with other authors which makes the article credible. The survey investigated the impact of learning through the school's VLE, whether the use of VLE helped developed learning and whether the use of VLE increased students' motivation to learn. The findings in the report indicated that the use of Moodle enhanced student improvement and ensured better motivation in their learning. However, the report highlights areas of VLE that need developing which will be of an interest to teachers. This article, in addition, reports on an online survey into VLE use by 248 second year students at an English Sixth Form College (SFC). The survey investigated the reported impact of using the college's VLE (Moodle) on learning, and was based on three research questions which investigated: whether the use of a VLE has a positive impact on student learning; whether the use of a VLE in teaching and learning helps develop independent learning; and whether the use of a VLE increases students' motivation to learn. The statistically significant findings report that the use of Moodle produces improvement in learning and motivation to learn as reported by the student participants.

For UWTSD students, they feelings about VLE match, in fact it has the positive impact for most students.

My research method

The virtual learning environment is that it has positive impact to me. Because I find it very useful because I find always the class material and this motivates me to study because thanks to the material that is online I can always study with ease.

There are 2 type of research method: quantitative and qualitative. Quantitative research methods are those research methods that use numbers as its basis for making generalizations about a phenomenon. It emphasizes numerical analysis of data using computational techniques. The data that will serve as the basis for explaining a phenomenon, therefore, can be gathered through surveys. Such surveys use instruments that require numerical inputs or direct measurements of parameters that characterize the subject of investigation. Qualitative research is a type of social science research that collects and works with non-numerical data and that seeks to interpret meaning from these data that help understand social life through the study of targeted populations or places. Methods of qualitative research include: observation and immersion; interviews; open-ended surveys; focus groups; content analysis of visual and textual materials; oral history. I used the quantitative research method.

Data collection is defined as the procedure of collecting, measuring and analyzing accurate insights for research using standard validated techniques. A researcher can evaluate their hypothesis on the basis of collected data. In most cases, data collection is the primary and most important step for research, irrespective of the field of research. The approach of data

collection is different for different fields of study, depending on the required information. There are 2 type of data collection: primary data collection and secondary data collection. Primary data is a type of data that is collected by researchers directly from main sources through interviews, surveys, experiments, etc. Primary data are usually collected from the source—where the data originally originates from and are regarded as the best kind of data in research. The sources of primary data are usually chosen and tailored specifically to meet the demands or requirements of a particular research. Also, before choosing a data collection source, things like the aim of the research and target population need to be identified. Secondary data is the data that has already been collected through primary sources and made readily available for researchers to use for their own research. It is a type of data that has already been collected in the past. A researcher may have collected the data for a particular project, then made it available to be used by another researcher. Population: uwtsd-2500

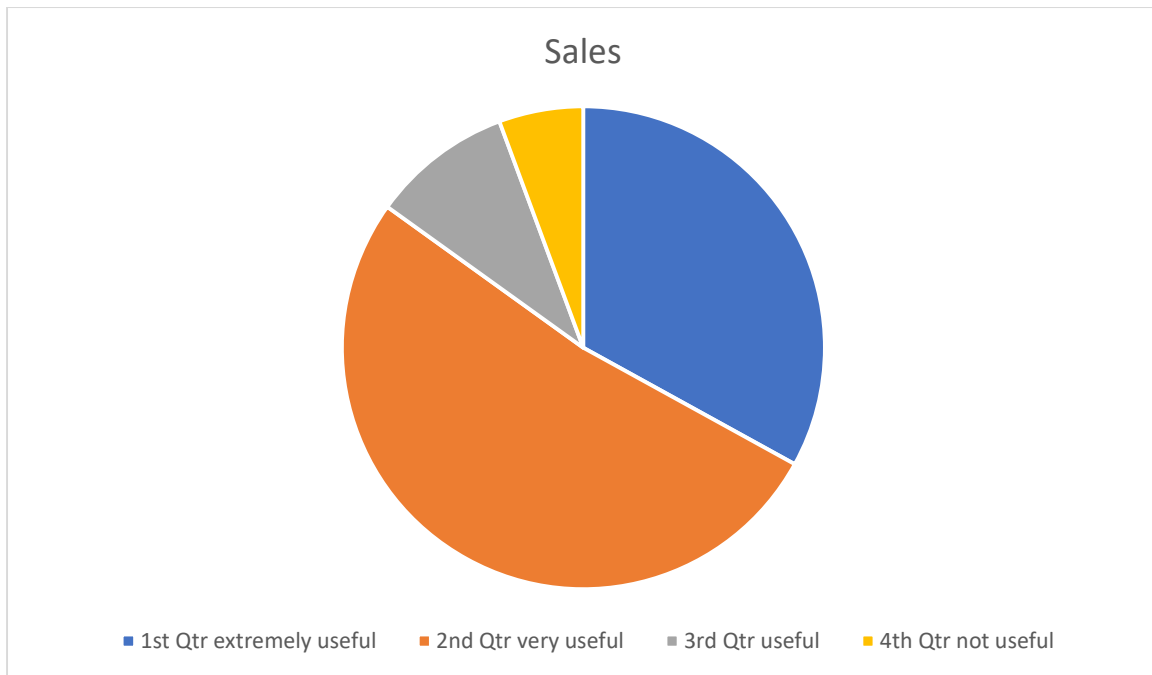
Sample size: 20

Data collection process: I used before the secondary data collection for explain the various topics I needed to talk about, and after I used the primary data, so I made a questionnaire for the students and conduct the survey.

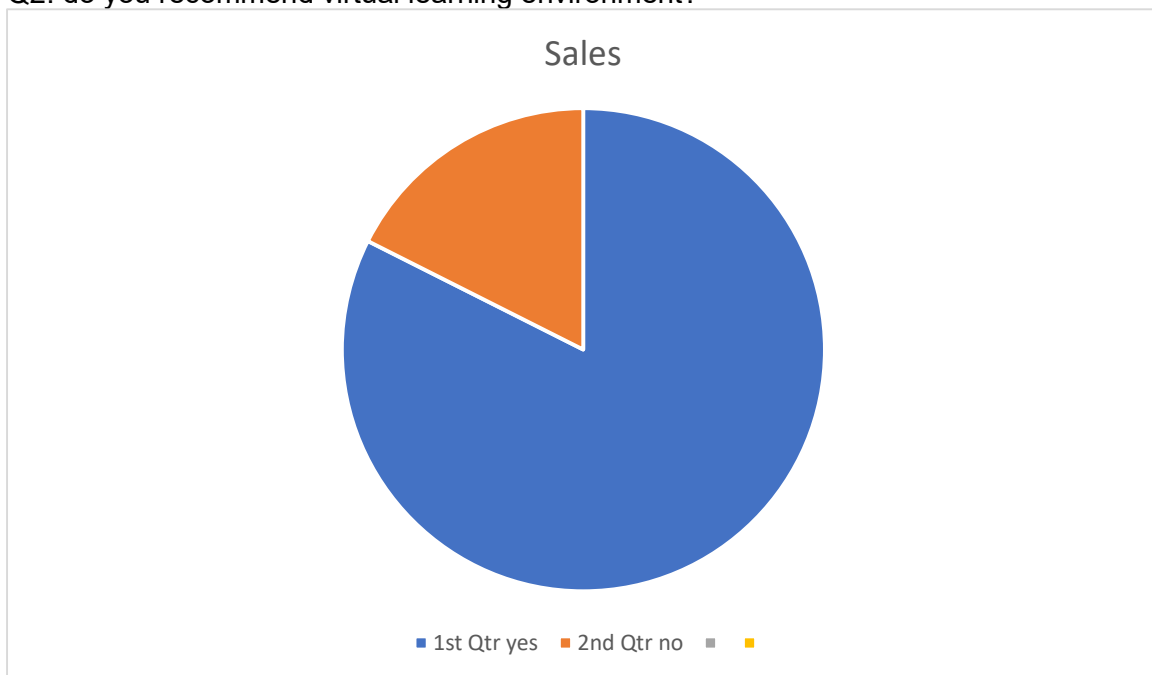
I collected the secondary data information in formplus website, wordpress.com site, semanthic scholar and VLE articles sent by koushik of Peter grossman and Jenny baker. Instead I collected the primary data collection trough a questionnaire that I sent by email to the uwtsd certhe student, collected the answer and made a table Graph and survey.

You must always consider the impact and potential for harm of capturing, processing and storing information. When collecting data, you must make sure you are clear about why it's being collected and what it will be used for. This mitigates the potential for ethically dubious data processing or linkage. Just because you can do something with your data doesn't mean you should or indeed that you have the right to. Due consideration of ethics should also minimise the unintended consequences of generating new information or Knowledge assets. The General Data Protection Regulation (GDPR) is an EU data protection law that applies to any business that collects, stores and uses data belonging to citizens of the European Union and European Economic Area. The GDPR was adopted into UK law through the Data Protection Act 2018, which superseded the 1998 law of the same name. It is important that you have an in-depth understanding of the GDPR and what measures you comply with the data protection regulations in the UK and the EU.

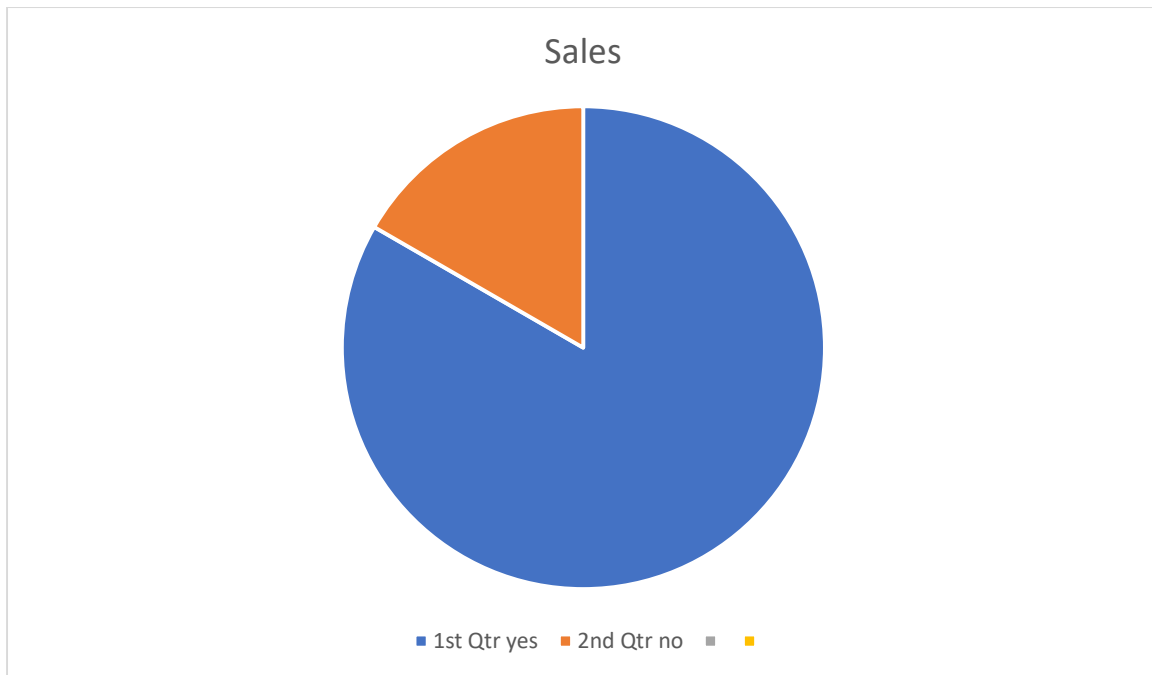
Q1. How useful is virtual learning for you?



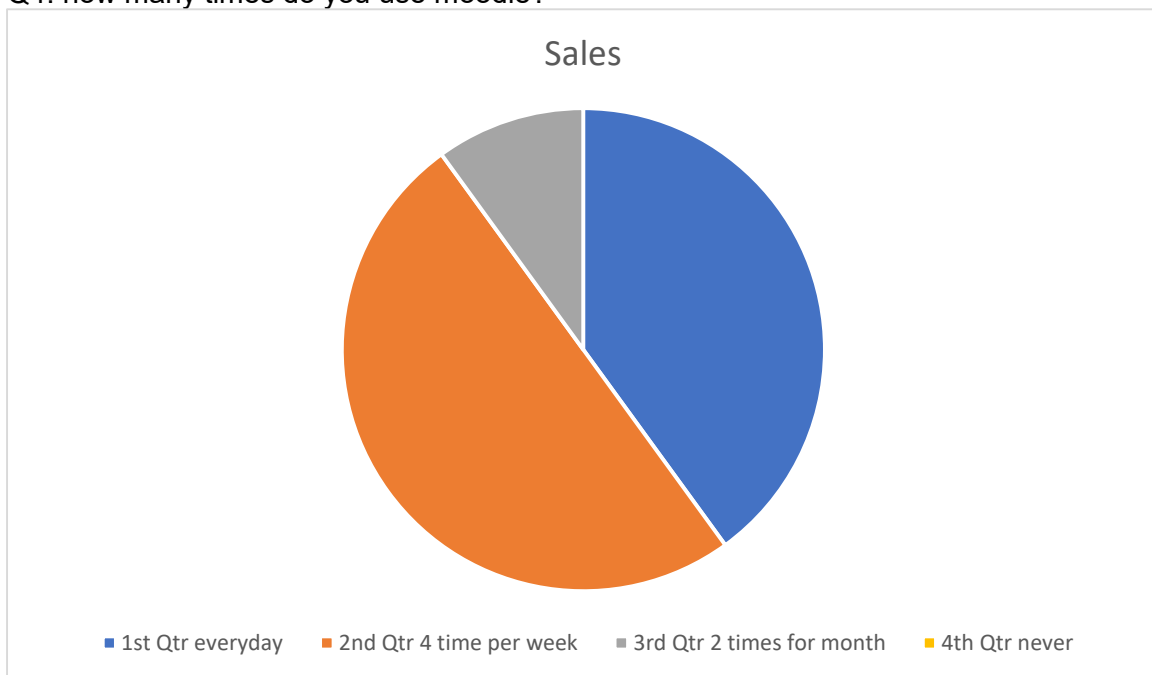
Q2. do you recommend virtual learning environment?



Q3. Is easy for you to use moodle?



Q4. how many times do you use moodle?



At the question which type of virtual learning environment they use, 14 student use microsoft teams and moodle, 5 student use hwb, Microsoft teams and moodle and 1 student use online library and email system.

At the question what do you think about the effectiveness of virtual learning environment, 17 easy to use, saves time, 1 none, 1 give more flexibility

Everybody answer very likely at the question how they like this method and everybody won't change nothing.

Conclusion

I think this research was very useful and we learned a lot about this. Personally I found the virtual learning environment easy and I hope in the future I have the good skills in research method and I will use the primary data collection also in my future job



eliana

Appendix 1 questionnaire.docx

Appendix 2

how useful is virtual learning environment for you?		
	extremely useful	7
	very useful	11
	useful	2
	not useful	
which type of virtual learning environment do you use?		
	14 student use microsoft teams and moodle	
	5 student use hwb, microsoft teams and moodle	
	1 student use online library and email system	
do you recommend virtual learning environment?		
	yes	15
	no	5
what do you think about the effectiveness of virtual learning environment		
	17 easy to use, saves time	
	1 none	
	1 give more flexibility	
	1 very beneficial	
in a scale of 1-5 how much do you like the quality of you university vle?		
	(1extremely likely, 5 not like)	
	2 students answer 3	
	4 students answer 1	
	7 students answer 4	
	7 students answer 1	
what would you change to moodle if you were given a choice?		
	10 students answered nothing	
	1 student answered put recording audio	
	6 student answered more info in orientation	
	3 student answered the mobile app	

is it easy for you to use moodle?		
yes		16
no		4
how many type of virtual learning environment do you know?		
	13 students answer 1	
	3 students answer 4	
	4 students answer 2	
how many times do you use moodle?		
every day		8
4 times for week		10
2 times for month		2
never		

References

Rouse, m. (2011). 'virtual learning environment' available at <https://whatis.techtarget.com/definition/virtual-learning-environment-VLE-or-managed-learning-environment-MLE>

Koushik, M. (2020), 'impact of virtual learning environment', (pdf), available at <file:///C:/Users/eliana/Downloads/VLE%20Article.pdf>

Regoniel, P. (2015) 'quantitative research method' available at [https://simplyeducate.me/2015/01/03/quantitative-methods-meaning-and-characteristics/#What are quantitative research methods](https://simplyeducate.me/2015/01/03/quantitative-methods-meaning-and-characteristics/#What%20are%20quantitative%20research%20methods)

Formplus blog, (2015), 'secondary data collection', available at <https://www.formpl.us/blog/secondary-data>