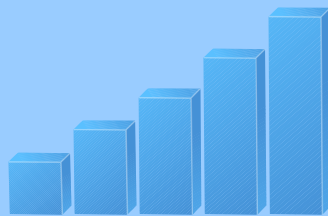


Digital Skills and Research Method



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Virtual Learning Environment (Moodle) Experience

1. Introduction

In the last 20 years the education platforms started a huge suddenly evolved. One of this the e-learning or Virtual Learning Environment where the students and education staff can work together without phisycal contact. Several college and university use IT systems for distance learning and in class too. The popularity of the e- learning year by year increases and the educational institutes use their own Virtual Learning Environment (VLE) to make easier the communication, interactions and transfer of information. This essay display a survey research of what is the University of Wales Trinity Saint David London Campus students and teaching staff experiencies with the Moodle which is the college online Virtual Learning Environment platform. The teaching is on the campus but every information and presentation put on the Moodle and any information, change or announcment the students and the college staff get by email. When need some help or advise everyone can find the solution of their problem or ask help by email. The college at present use distance learning instead of in class teaching because of the Corona Virus lockdown. That's why so important time to time to make a reasearch of the user satisfaction which in this case was a questionnaire survey between students and teaching staff. This survey help to understand the users experiencies on the Moodle and what needs to be develope for the easier and more efficient use.

2. Background

2.1 History of Virtual Learning Experience

„E learning system based on formalised teaching but with the help of electronic resources is known as E- learning. While teaching can be based in or out of the classrooms, the use of computers and the Internet forms the major component of E- learning.”
Economietimes.com (n.a.)

In the beginning the e- learning was not accepted because as it was thought there is not enough role of the human in this type of virtual world. After the generally in class teaching this kind of education difficult was imagine. However, the introduction of the computers was the foundation of the first step for the virtual education. With time the progress of the computer technology started a revolution not just the people everyday life but also in the education. Made it easier and faster the daily life and gave a lots of opportunities for the virtual education. The educational institutes use several IT tools (internet, softwers, email sytem, internal network etc.) what is not just make easier the work with staff and the students but there is a good effect for the cost. For example reduced the paperwork and storage, or email system replaced the most post cost. For the students have become available the learning materials and documents from home so integrated both form of study and save time. After that the next step was to start distance learning and create the Virtual Learning Environment. It was pioneer run in the education system and could helped a lot of people worldwide to reach learning institutes which was not possible before. Distance learning is a great opportunity for adult who work full time, live with any disability or for women at home with infant. This way of learning opened not just short courses or corporate sector training but the higher education institutions global. A good example the Open University which is offer part and full time degree and master courses all around the world. These courses work most of online. The educational institutes can reach more potential students and earn more student fee with less cost. In this digital age will be the sky is the limit.

2.2 Components of Virtual Learning Environment

In this section I would like to exam the components of VLE. When an educational institute step in the distance learning world must have some requirements in order to be able to service properly. The first group of components the appropriate technology what is present the background of the e- learning. One of the technology the e- learning system which is

the frame of the contents. The UWTSD college London use the Moodle system which is works as an application on desktop and mobile so give a free usage on the go. The softwares /windows operation system, multimedia softwares for webinars or videos, e-mail systems etc./ ensure the visible of the screen and the use of the contents.

The second group of components is the content which is the heart of the e- learning. This includes the text, documents, videos and multimedia what is upload on the Moodle and available for everyone who parts of the institute. The students find every module online and can repeat the class at home. The teachers could put more relevant information on the online platform (videos, presentation, webpage links etc.) supplementing what has been learned in class. For distance learning the whole educational material put online and later the results of the exams is also put. The distance learner students generally to get an online certification about the course.

The third group of components is the pedagogy which is could be face to face teaching in class, only e- learning or both what is call blended learning.

The benefits of e- learning what is flexibility, study from short courses to university degree from home, faster administration both side. The webinar is a very useul tool especially this pandemic time when teaching in class not possible but the study can be continue this way. The challenge of e- learning is the computer technique continuous follow and development. The live connection of webinar not for everyone available in good quality what is cause problem special situation like the Coronavirus situation when need to teach online instead of in class. The online platform (Moodle) need to update the new information. The interaction between the lecturer and students too poor or boring what is reducing the online class meaningful. The lecturer has to find the way to make interesting the online class too. Important to reach the Moodle application on every infomation tool: mobile, tablet, laptop, desktop.

3. Aim and ojectives

Firs aim of this research is learn about the University of Wales Trinity Saint David London college teaching staff and students experiences use of the Moodle system. Another goal

after the results of research to develop the Moodle system and connection between the stakeholders. „The objectives provide a framework for asking the right questions.” Sparkchart.com (N.A.) In this case research the topic before create the questions what is the e- learning and the Moodle. This help to see the facts from different sources and to ask the right questions for the target audience.

4. Method

In this report was used secondary research to identify how other educational institutions used virtual e- learning environment to provide several types of services for their stakeholders. In this case was used different types of online journals, articles. Quantitative data collected in relation to the e -learning concept, the importance of e- learning the services provided by e- learning, technologies used by e- learning, how those institutions are benefited by e- learning and the challenges faced by those institutions.

After that a primary research approach was conducted to understand and identify how our university Moodle. The geographical place was the University of Wales Trinity Saint David London campus and the research object was the college Moodle usability experience by the teaching staff and the students. It was used quantitative survey questionnaire with 15 questions and 3 different types: yes or no possibility, likert scale and rating scale.

All questions type closed-ended question includes a predefined list of answer options. It were recruited 12 people /included 4 lecturers and 8 students/ to filled out the survey questionnaire which was made by the Google survey online. The weblink to the survey was sent email by Moodle for the lecturers and for the students on Whats up portal. It was important to filled the survey who used the Moodle system regularly. The college began to apply the e- learning after half of the term because the Corona Virus caused lockdown situation so it was interesting to asked questions of webinar experiences. It was for both part new experience.

After that was collected the data from the Google survey put the data in excel tables and was made diagram which was analysed.



Virtual Learning Environment (Moodle) experience

This survey want to know about what is the experiencies on the University of Wales Trinity Saint David students and teaching staff with the Moodle (Virtual Learning Environment)? Help to understand what need to develop and how to do more easier to navigate and use the Moodle platform. I would like to ask to fill every question what is take about 10 minutes time. Thank you for the cooperation and give your time.

*Kötelező

1. Do you use regularly the Moodle platform under the course? *

- ☐ Yes
☐ No

2. Do you take part online webinar under the course? *

- ☐ Yes
☐ No

3. Do you use the online library? *

- ☐ Yes
☐ No

4. Can you find easily the informations on the Moodle what you looking for? *

- ☐ Yes
☐ No

5. Do you use the online help system (email, online helpdesk, admins help) if you have any problem or need advice? *

- ☐ Yes
☐ No

Következő

How agree or disagree are you with each of the following? Please choose one from the next 5 possibilities.

The Moodle website easy to use. *

- ☐ 1. Strongly disagree
- ☐ 2. Disagree
- ☐ 3. Neither agree nor disagree
- ☐ 4. Agree
- ☐ 5. Strongly agree

The online library is user friendly. *

- ☐ 1. Strongly disagree
- ☐ 2. Disagree
- ☐ 3. Neither agree nor disagree
- ☐ 4. Agree
- ☐ 5. Strongly agree

The online webinar interaction experience is better than in physical class. *

- ☐ 1. Strongly disagree
- ☐ 2. Disagree
- ☐ 3. Neither agree nor disagree
- ☐ 4. Agree
- ☐ 5. Strongly agree

Teaching and administration staff are available when need help or advice. *

- ☐ 1. Strongly disagree
- ☐ 2. Disagree
- ☐ 3. Neither agree nor disagree
- ☐ 4. Agree
- ☐ 5. Strongly agree

The Moodle online platform is always update accurate. *

- ☐ 1. Strongly disagree
- ☐ 2. Disagree
- ☐ 3. Neither agree nor disagree
- ☐ 4. Agree
- ☐ 5. Strongly agree

Vissza

Következő

Please rate the next 5 questions on a 1-10 scale where is: 1 Not at all likely and 10 Extremely likely. Please choose one.

How do you rate your experience on the Moodle as a user? *

- 1 2 3 4 5 6 7 8 9 10
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

How do you rate your distance learning or teaching experience on the Moodle? *

- 1 2 3 4 5 6 7 8 9 10
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

How do you rate the lecturers/students activity online webinar (chat, or on microphone)? *

- 1 2 3 4 5 6 7 8 9 10
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

How do you rate the online library usability? *

- 1 2 3 4 5 6 7 8 9 10
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

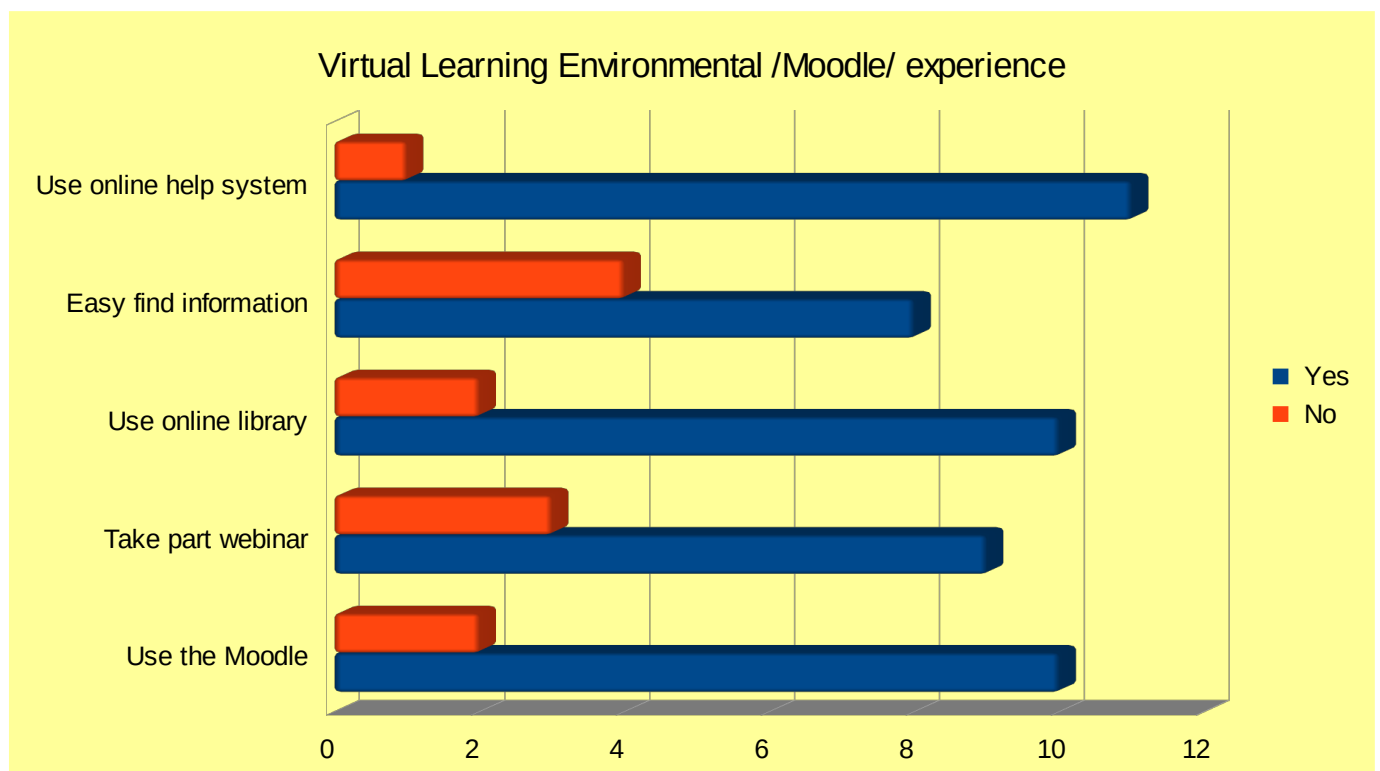
How do you rate the admin staff online helping? *

- 1 2 3 4 5 6 7 8 9 10
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

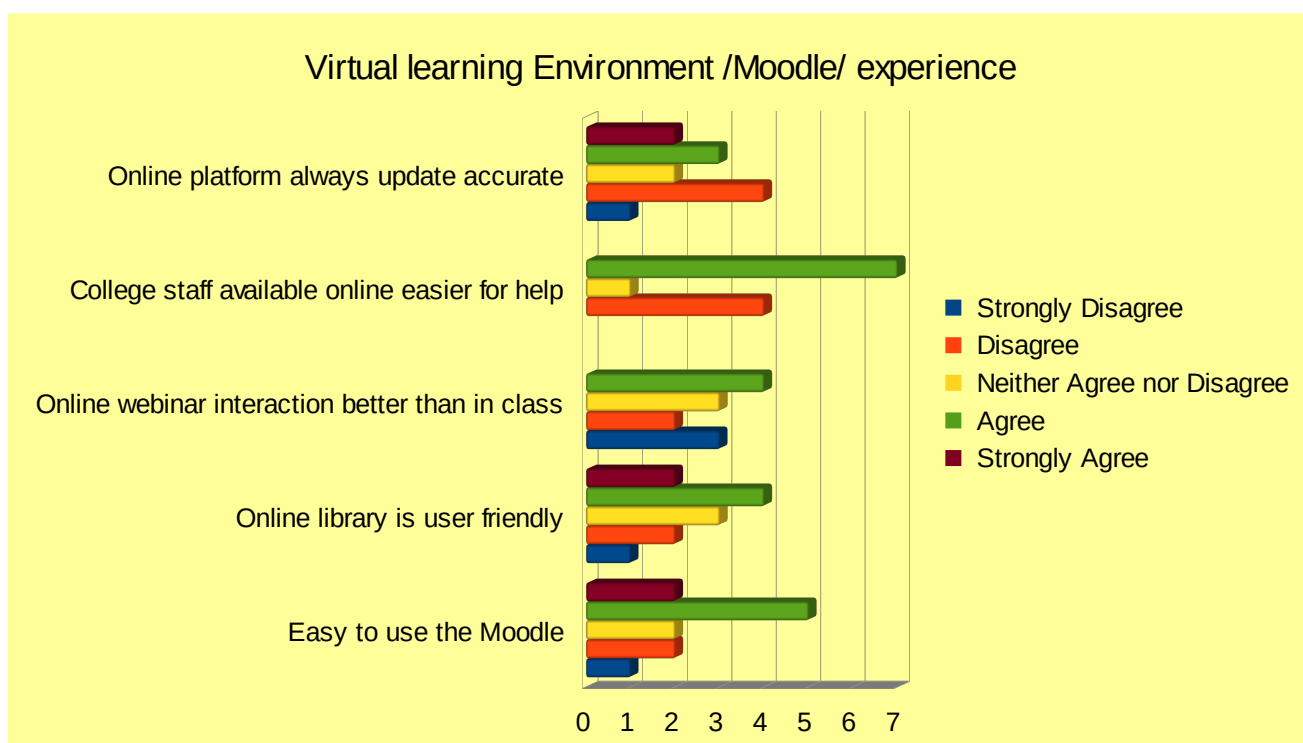
5. Result

In this section, the questions were grouped into 3 tables by type. The results are then plotted on a chart.

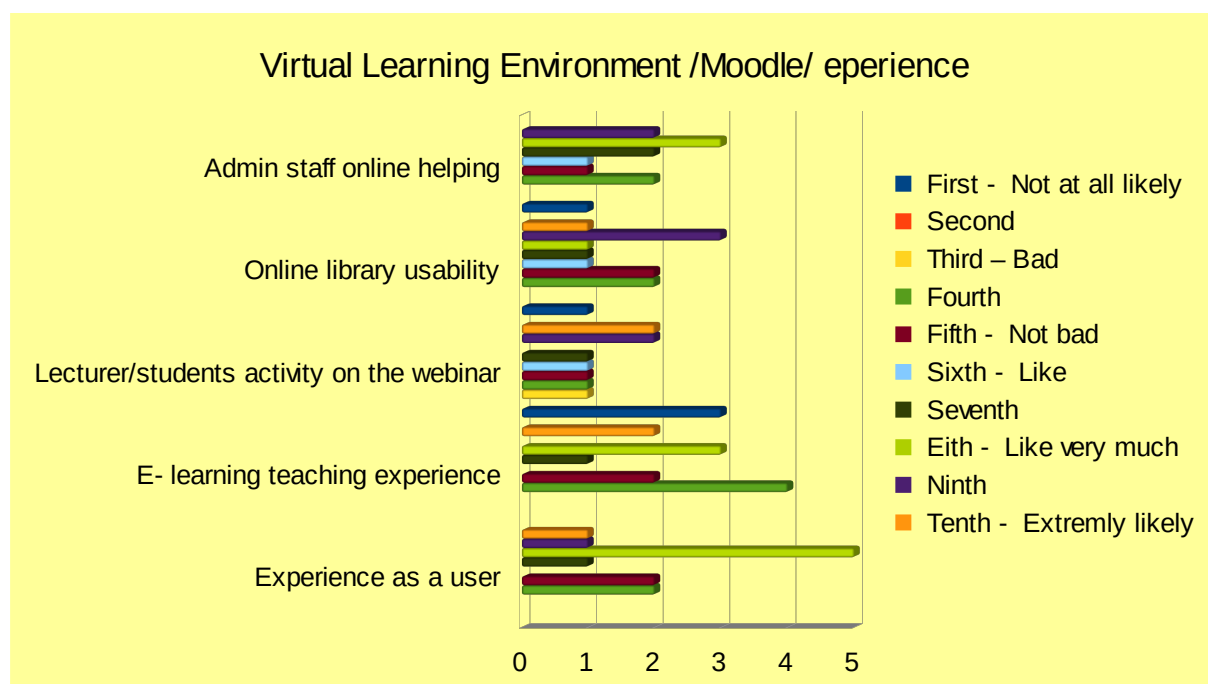
Questions	Yes	No
Use the Moodle	10	2
Take part webinar	9	3
Use online library	10	2
Easy find information	8	4
Use online help system	11	1



Questions	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
Easy to use the Moodle	1	2	2	5	2
Online library is user friendly	1	2	3	4	2
Online webinar interaction better than in class	3	2	3	4	0
College staff available online easier for help	0	4	1	7	0
Online platform always update accurate	1	4	2	3	2



Questions	1. Not at all likely	2.	3. Bad	4.	5. Not bad	6. Like	7.	8. Like very much	9.	10. Extremely likely
Experience as a user	0	0	0	2	2	0	1	5	1	1
E- learning teaching experience	0	0	0	4	2	0	1	3	0	2
Lecturers/students activity on webinar	3	0	1	1	1	1	1	0	2	2
Online library usability	1	0	0	2	2	1	1	1	3	1
Admin staff online helping	1	0	0	2	1	1	2	3	2	0



6. Discussion

In the last part of the report to analysed the result of the survey and try to find what is need and have to be developed. All 15 questions got 12 answers by the lecturers and students which have showned on the tables and diagrams above. The 3 group of questions have been analysed seperatly because was used 3 different type of scales.

The first group of question was the general yes or no type and the result was the next.

From the 12 people the most of them (11) use the help system and not much less (10) the Moodle and the online library. Take part e- learning on webinar just 9 people told yes but I found this strange because at the present everyone use the live webinar instead of class. Maybe the answer that the question not was enough clear and next time more attention needs to be paid to this. Received the fewest yes (8) the easy find information question which support that the most people use the online help system regurarly. This result not really bad but need to check how easy to navigate on the Moodle.

The second group of the questions was the likert scale with 5 possibilities but with one choice. In this section was similar questions but the responder answers showed their opinion and emotions, more than just a simple yes or no answer. These data is more valuable and complements the answers to the previous questions. The most agreed part was (7) the easy to use the Moodle and online help desk and availability. Followed this the online library usability (6) and this 3 answer very nicely supports the 1th group results to users not just use but satisfied enough with these parts of Moodle. Equal result got about how update the platform (5-5) in the agree and disagree category. Maybe that is why use the most responder the online help system because not find every information. The last result in this section was the webinar interaction. It seems the half of the users (5) not satisfied the webinar interactivity but almost half (4) is satisfied true 3 of them gave neutral answer. This result told the webinar is most of the time does not maintain attention enough but this kind of teaching is new for everyone. The challenge is the more practice to use it.

The third group of questions is give more depth their opinion and emotions and give more relevant information with the 2 groups. The two most likely (8) part the online helpdesk and the user experience. Follow these the online library usability (7) which is proof, the stakeholders how like to use the Moodle, the library and helpdesk. The worst result again was the webinar interactivity and after that the e- learning experience. Actually these two part were almost equally with the bad and good experience. The conclusion in this part that The online Moodle is popular between the stakeholders and happy to use but the e- learning part a little bit strange for some of users. In the future a better user experience in e- learning needs to be developed both side.

7. Conclusion

Overall in this report the Virtual Learning Environment studied with a survey questionnaire at the UWTSD London college teaching staff and students. The result was that the responders like to use the Moodle include the online library and helpdesk but divisive their opinion the e- learning experience and webinar activity. The college have to more attention develope of this area.

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