



Virtual Learning Environment

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Contents

Introduction:	2
Background:	2
Research questions regarding Virtual Learning Environment.....	4
Aims of this research.....	4
Objectives:.....	4
Research Methods:.....	5
Results:	5
Discussion:	6
Conclusion:.....	6
Reference:.....	8
Appendix:	8
.....	9

Introduction:

The aim of this report is to produce secondary and primary research on VLE. Virtual Learning Environment is a computer base platform that design for teaching and learning it present different types of activities within educational institutions. According to Ms. Kanimozhi (2018), VLE is provide learning tools for students that being to mind the virtual world replace real life, but teacher is not physically present with the student. This concept was first introduced by Tim Berners Lee in (1989) he was a British engineer. He presented a sharing system that called it `World Wide Web`. By (2010), nearly all organization changed their system to VLE as social networking development.

Background:

According to Christine Spratt and Paul Lajbcygier based on their book” E-learning technologies and evidence-based assessment approaches (2009), E-Learning Environment can provide wide range of support and activities, E-Learning service is an individual based technology that help teachers and students to performance and develop better. Via E-Learning tutors can send feedback to students works, get in touch with parents, institutions can send loads of learning resources to students, pupils also get IT support to submit and upload their assignment, lecturer can do assignment marking and grading. E-Learning Environment are using tools to enhance distance learners and give support to new teaching techniques.

Students and teachers can be benefited from virtual Learning Environment especially during this unpredictable pandemic COVID-19. According Nicole Flynn, coronavirus has a huge impact on global education. During these time online courses have a significant increase, both students and teachers are benefited with E-Learning they can save lives, protect themselves and stop the spread of the coronavirus COVID-19 pandemic. Due to its convenience and comfort E-Learning is safe, flexible and visible tool for everyone, that can be a new light for this horrible situation. In additional, we can save time and money.

Challenges of E-learning Environment can be unreliable internet access, not have the right equipment, struggle to adopt the app, having the right computer literacy is much need it for e-learning, having a good time management and schedule it help us that not miss our program or lesson period.

The require technologies for E-Learning Environment are computer, internet, tablets or mobile device, Adobe captivate, office365, wearable devices and having the right Audio and Video is very important.

Although, E-Learning Environment have advantages and facilities for learners, it is very convenient to use as well the students can access to any educational material at any time, but in another hand, it has disadvantages and risks for our health as well. One of most risk is self-isolation, we need to be active and self-motivated sitting always on the computer is not good for our health, it can cause loads of health problems for us. As matter of fact some teenagers might addict to it and they can face any other serious issues like, losing their eyesight or sight weakness, lack of confident and flexibility, mentality problems, behavior and more other related problems. In additional, many website misuse student information they adopt their ID and sell it to other companies without student permission or students do not fully understand the related security concerns regarding their online learning. By the same token, online course providers do not take security risks as a top priority for their learners.

The associated legislation with E-Learning technology, as the government announced every E-learning Environment provider must conduct these steps as their policy.

- 1, E-Learning providers must consider learners difficulties as they should prescribe opportunities for smooth and independent learning.
- 2, Every student must have same access comparable through to face to face material.
- 3, To encourage students and enhance their experience via virtual learning.
- 4, More training required for e-learning tutors to develop their knowledge.

5, Every E-Learning center must have standards expected and required by all their stakeholders.

6, Delivery the right information for students to minimal the barriers.

7, The DOA will assure about that every learner have access to right learning materials and resources.

Research questions regarding Virtual Learning

Environment:

1. Are there any opportunities for students and teachers via virtual learning environment?
2. Is coronavirus covid-19 helps VLE become more popular than before?
3. What makes you more motivated about doing this course?
4. What will you do after gaining the certificate of this course?

Aims of this research:

Both students and teacher can sit on their own comfort and present/deliver the lessons, many tools available for lecturers and pupils, they can organize and manage their planning without having concern to travel or miss the trains.

- Coronavirus made Distance learning more popular and efficient to all.
- To find a better job, gain more academically and employability skills.
- To do further studies.

Objectives:

- In order students and teachers take full advantage of VLE they must obey rules, attend classes and follow the instruction.
- To take benefit from VLE during covid-19 we should spend time on it and make sure do not miss the classes, although if you are not physically there.

- We must focus on the lectures, complete our assignments, to do some research to find out what type of technical skills required for our future jobs.
- To take a good mark on my assignment and continue my further education in future, take practical tasks and do volunteer jobs related to my subjects of study.

Research Methods:

Through the time of my research, as approach to secondary research was used and applied to collect quantitative and qualitative data it assists the way of VLE is using has benefit to pupils. The services are available in VLE have some benefit for students, but not all students are happy with using VLE as they face challenges during using online methods of learning. In online methods various of books, article, journal and magazine were available to use during secondary research and data has been collected. However, university models were accessed also used to collect relevant details, but other source was used to as well to collect information.

Then, primary research approach was operated to collect quantitative and qualitative data related to our university models. Online software equipment was used to create 10 to 15 question survey related to our university models also send them to our colleagues and lecturers to get their feedback. The survey was sent via emails to them, it was 10 question 9 multiple choice and 1 open-end question included in the questionnaire. Data has been collected and stored in tables for the analysis process.

Results:

The answers I got from my survey is different from each person, the students and tutors were responded and express their views differently. Some of pupils and tutors were struggling during using VLE, as the background noise interference and did not let they hear from each other. They think the platform need more improvement and they were not

satisfied with using VLE, also it is not easy to access VLE easily. They were not able to communicate with each other sometimes, if they face problems and need help during their academic online studies. However, the VLE has some beneficial to students during this pandemic using VLE can save lives and protect our health during coronavirus. Most of students were satisfied and have positive ideas regarding VLE.

Discussion:

There are some areas that VLE needs to improve and can provide wider methods of studies also can except good results from the users. VLE specially design for students and teachers that some facilities are available on it, they can have lesson plan depends on their time flexibility, it provide additional materials to support students in need tutors can share classroom webcam for better communication and let the parents know about their children progress. VLE is not only for students and teachers, but also for everyone that they can use it. However, there is advantage of using VLE and disadvantages. VLE has its own pro and cons, it is good to study from anywhere, but it is not same face-to-face class studies.

Disadvantages like possibility of having question and answers, but not interaction between teachers and students, students do not have a precise focus on the lesson because of background sound or losing internet signal, not understand the subject properly.

Advantages of VLE are, that we do not need travel to distance and we can save the time also spend it on something useful, easy to access anywhere from everywhere, It is suitable for busy people and employed, useful and beneficial for students and teachers as they can chat and manage their plan depends on their availability and flexibilities.

Conclusion:

In the final analysis, we all benefit from VLE during this uncertain situation also it keep us safe and secure regarding to do not spread the COVID-19 virus. It has been provided some opportunities for students also for everyone that not beyond their lessons, further

education and their works. In addition, VLE has wide range of support and big impact on global education, due to the wide set of benefits it gives to each person E-learning become more popular and appreciated among people all over the world.

Reference:

Spratt, C. and Lajbcygier, P. (2009). *E-Learning Technologies And Evidence-Based Assessment Approaches*. Hershey, PA: Information Science Reference. [online] Available At:

<https://books.google.co.uk/books?id=fmYWL5Pa5XIC&printsec=frontcover&dq=e-learning+technologies+and+evidence-based+assessment+approaches&hl=en&sa=X&ved=2ahUKEwiEzLizoKzrAhUN2aQKHWSQBrwQ6AEwAHoECAQQAg#v=onepage&q=e-learning%2otechnologies%2oand%2oevidence-based%2oassessment%2oapproaches&f=false>

Flynn, N. (2020). *coronavirus and online education benefits*. [Online]
Available at: <https://cielo24.com/2020/03/coronavirus-and-online-education-benefits>
[Accessed 06 June 2020].

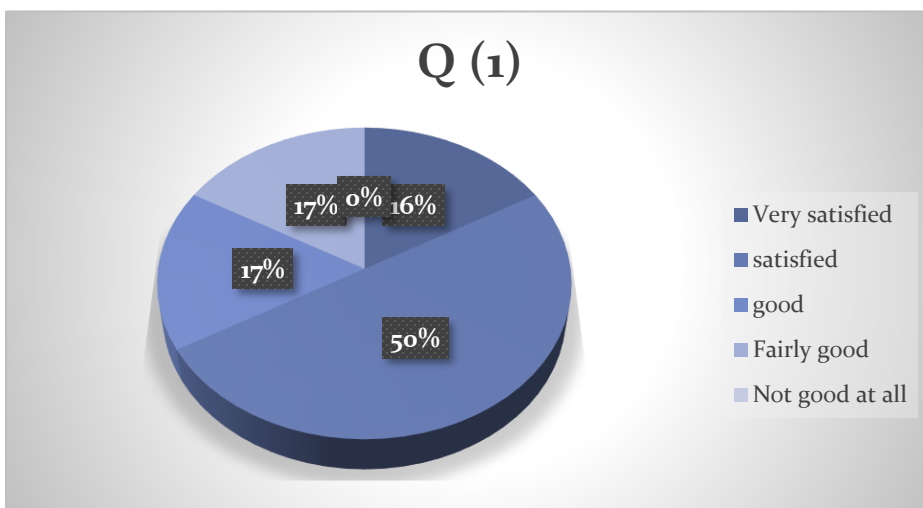
gov.uk (2020). *DOA online learning policy*. [Online]
Available at: <https://www.gov.uk/government/publications/dao-policies/dao-learning-policy>
[Accessed 09 June 2020].

K, M. (2018) "VIRTUAL LEARNING ENVIRONMENT." International Journal of Advanced Research in Computer Science 9 (1).

Appendix:

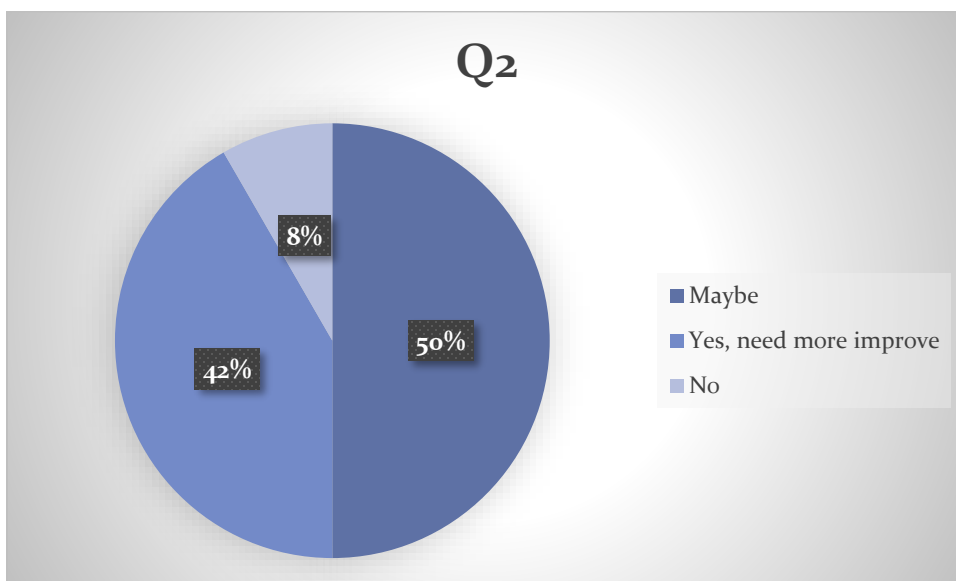
Question	Very satisfied	satisfied	good	Fairly good	Not good at all
Q (1)	2	6	2	2	0

Question	Minimum	Maximum	Average	Total
1	0	6	4	12



AS we noticed most student have been satisfied with using VLE.

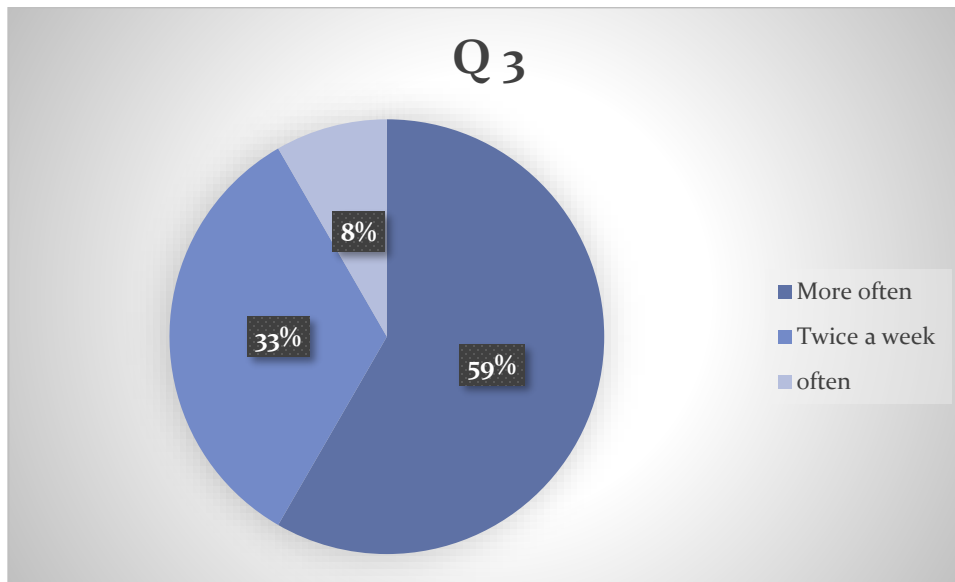
Question	Maybe	Yes, need more improve	No
Q2	6	5	1



As we can see most of students required more improvement on VLE.

Question	Minimum	Maximum	Average	Total
2	1	6	4	12

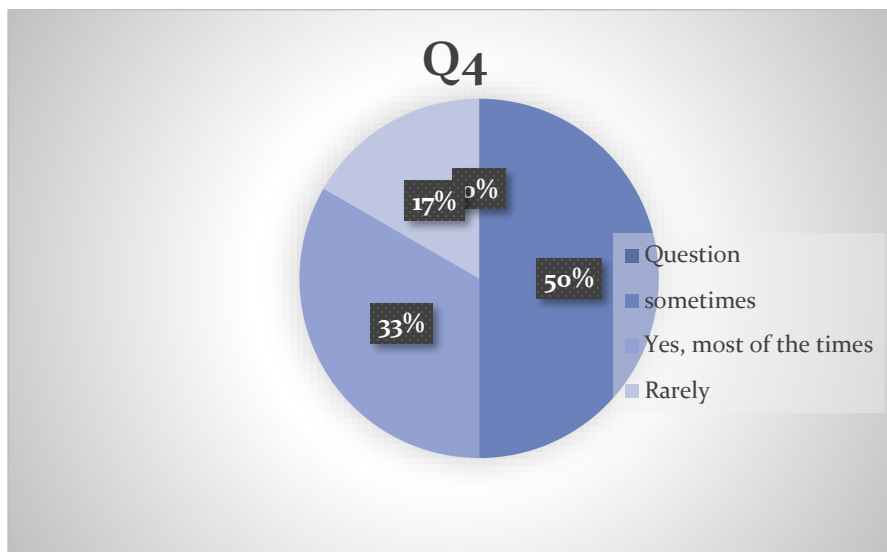
Question	More often	Twice a week	often
Q 3	7	4	1



Students used VLE more once a week.

Question	Minimum	Maximum	Average	Total
3	1	7	4	12

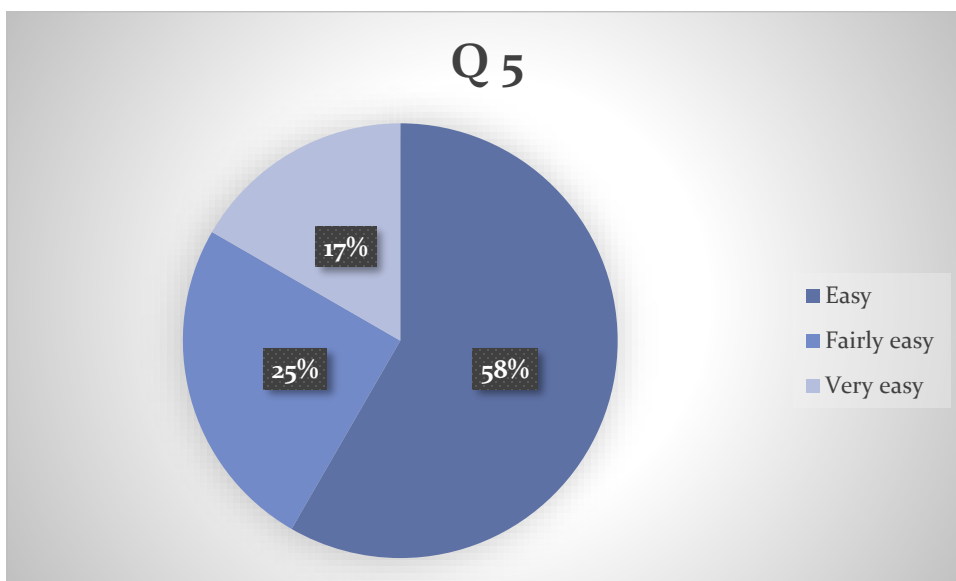
Question	sometimes	Yes, most of the times	Rarely
Q 4	6	4	2



Pupils said it has background sound while using VLE.

Question	Minimum	Maximum	Average	Total
4	2	6	4	12

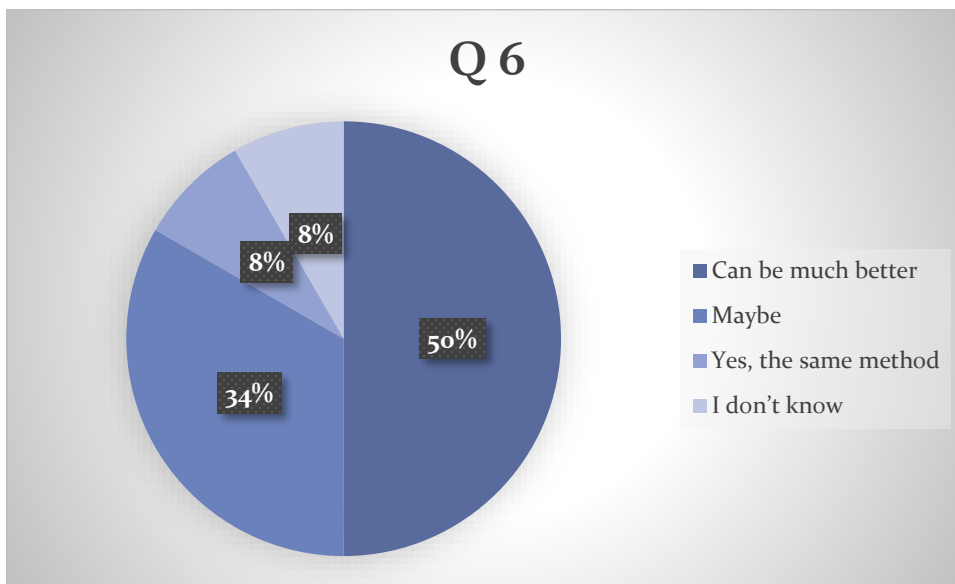
Question	Easy	Fairly easy	Very easy
Q 5	7	3	2



Pupils said it is easy to access VLE sometimes.

Question	Minimum	Maximum	Average	Total
5	2	7	4	12

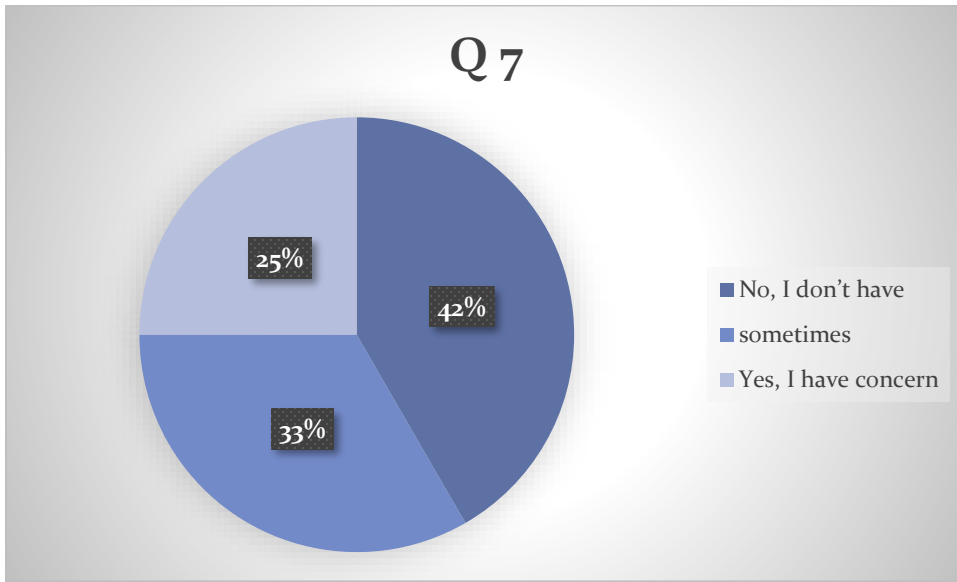
Question	Can be much better	Maybe	Yes, the same method	I don't know
Q 6	6	4	1	1



Students respond that using VLE could be much better.

Question	Minimum	Maximum	Average	Total
6	1	6	3	12

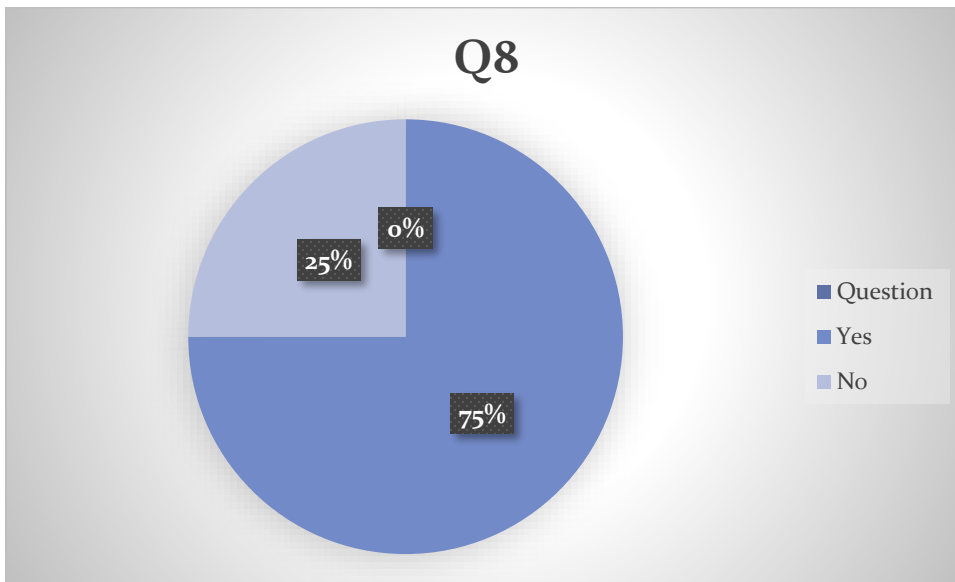
Question	No, I don't have	sometimes	Yes, I have concern
Q 7	5	4	3



Students do not have concern regarding misuse of their identity by university.

Question	Minimum	Maximum	Average	Total
7	3	5	4	12

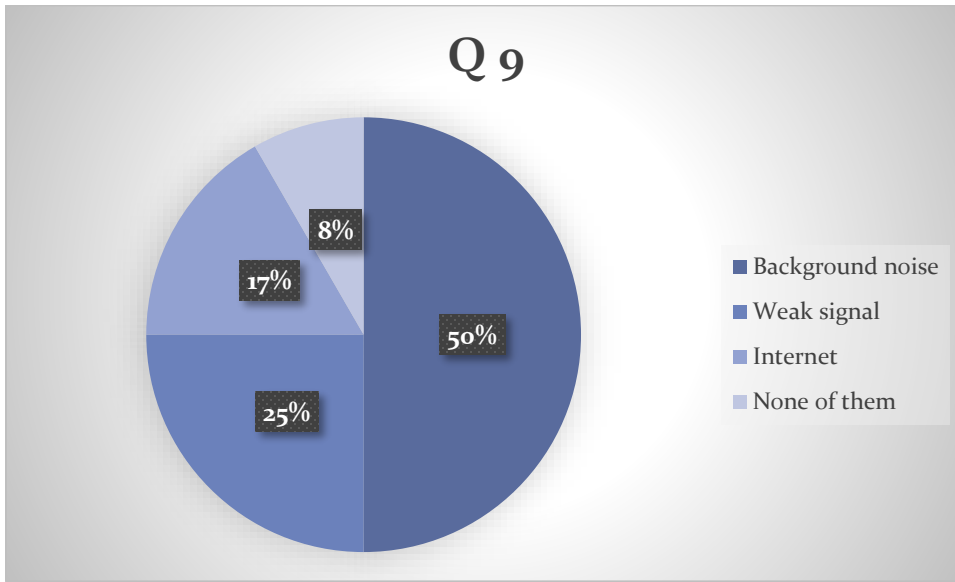
Question	Yes	No
Q 8	9	3



Students are happy with using VLE.

Question	Minimum	Maximum	Average	Total
8	3	9	6	12

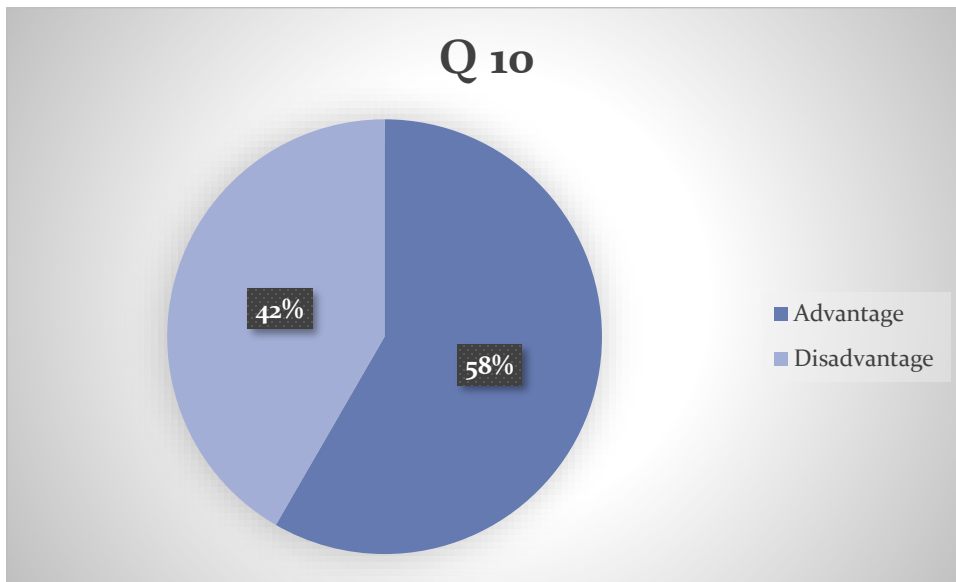
Question	Background noise	Weak signal	Internet	None of them
Q 9	6	3	2	1



There are some issues during using VLE.

Question	Minimum	Maximum	Average	Total
9	1	6	3	12

Question	Advantage	Disadvantage
Q 10	7	5

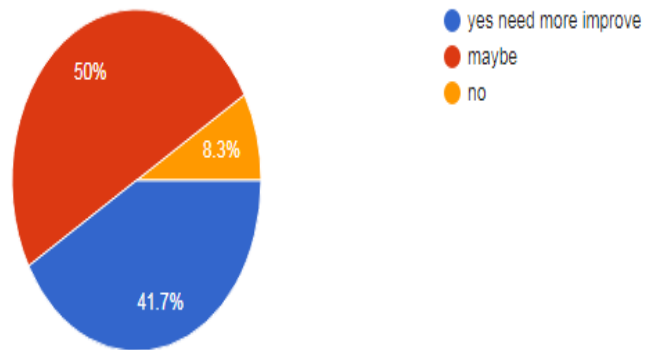


Most of students take advantages from using VLE.

Question	Minimum	Maximum	Average	Total
10	5	7	6	12

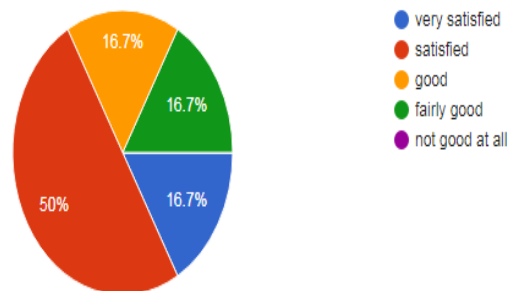
Do you think the service need to improve to deliver better educational material?

12 responses



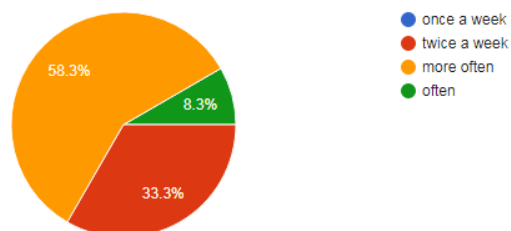
How satisfied you are from this platform?

12 responses



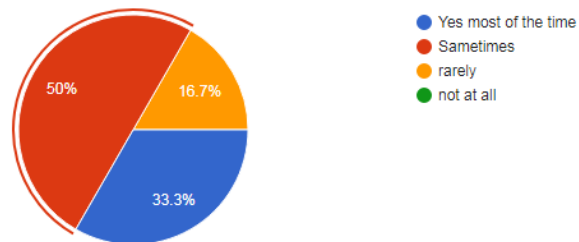
How often you use this program?

12 responses



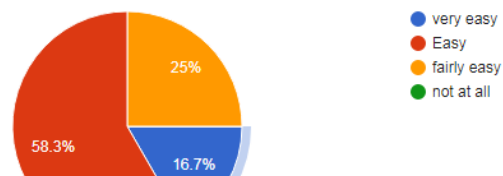
Do you use VLE to communicate with other students?

12 responses



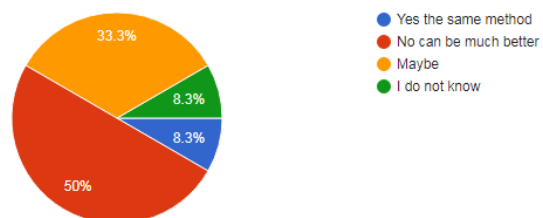
Is it easy to access the university models via VLE?

12 responses



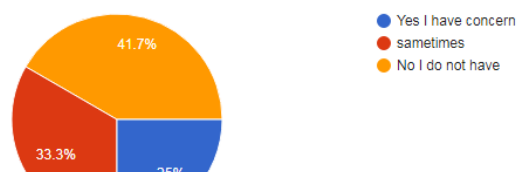
Do you think VLE is comparable to face to face classes and deliver the same method?

12 responses



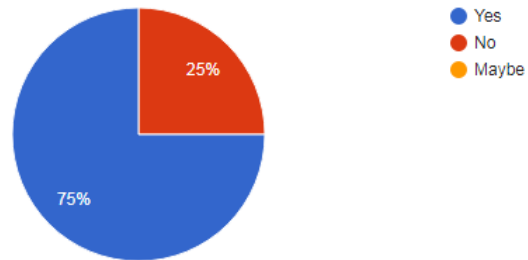
Do you have concern regarding using VLE, that provider can misuse your identity?

12 responses



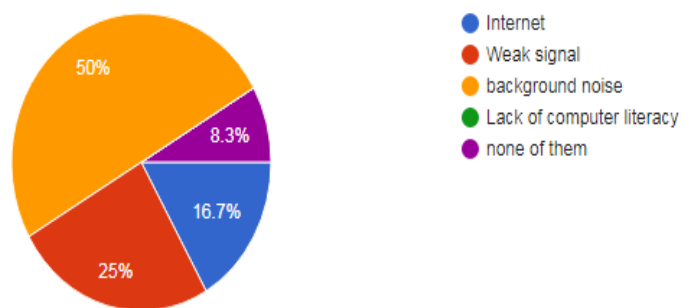
Are happy with VLE service?

12 responses



What are annoying you the most during using VLE?

12 responses



Tell me what do you think about virtual learning environment?

12 responses

It is very useful and beneficial for students and lecturers.

I don't like virtual learning

Virtual Learning Environment is an excellent way to deliver informations to students ,but sometimes there is issues with signal or background noises and not all students can talk ,ask questions during the class because there may be another colleague talking and you end up not being heard.

I believe it will keep us SAFE for the moment.

There is no possibility of questions and answers and face-to-face interaction between the teacher and the student..

And in online education, the student does not have a precise focus on the lesson because of the background sound or losing the Enترنت or...

But it is Suitable for employed and busy people.

I LIKE BECAUSE IT IS EASY TO ACCESS FROM ANYWHERE.

Questions responses 12

Tell me what do you think about virtual learning environment?

12 responses

But it is Suitable for employed and busy people.

I LIKE BECAUSE IT IS EASY TO ACCESS FROM ANYWHERE.

best alternative platform for classroom teaching environment

I like VLE, it is easy to use.

Virtual environment is good as we don t have to travel and we can spend this time on something useful,but in the other hand learning in class face to face iks betteras we can have a better understanding on what we are doing.

VLE has its own pros and cons. It is good that you can study anywhere. It is not same as face to face class study.

Good

Good platform.



Send



Questions Responses 12

12 responses



Accepting responses



Summary

Question

Individual