

Report Writing

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Introduction of Virtual Environment Learning (VLE)

Education reformers aim to remove obstacles in the way of learning and improve interactions between students, their peers, and the course material. Learning management systems (VLEs) enable students to engage in self-directed learning. Increasingly sophisticated technology is making VLEs the frontrunners in innovative education. They are altering the way schools and classrooms are run and functioning today.

A virtual learning environment (VLE) is a set of software tools that are used to facilitate teaching and learning. The most fundamental function of VLEs is to disseminate information in the form of papers, news, and notifications. Communicate with one another using chat systems, forums, and mailing lists. They provide a welcoming environment for both formative and summative evaluation.

Staff, students, and instructors can manage their varied jobs with relative ease and efficiency in a virtual learning environment, which is a well-organized place. The use of these tools allows students to easily access homework and assignments while also working independently both inside and outside of the classroom environment. When students, educators, and school administrators use virtual learning environments to supplement traditional classroom instruction, the possibilities appear virtually unlimited.

Performance gaps drive decisions regarding the deployment of virtual learning environments, and the VLE must deliver a visible and tangible beneficial result for the institution. The VLE and the way it is utilised must be compatible with the broader values and principles of the company. Instead, then being imposed from outside the organisation, the decision to adopt should be taken by the members of the organisation itself.

Rationale

Teachers want to concentrate their time and attention to what they do best: instructing students in their subject area. Students are interested in learning in ways that take into consideration their increasing technical skill, their desire to go at their own pace, and their natural tendency to work either solo or cooperatively. Families want to be actively engaged in their children's education as well as to keep strong ties with their children's schools and teachers.

Its learning environment is distinguished by its use of dynamic curriculum planning. It assists us in increasing the efficiency of our instruction and brings all the important materials together in one spot. Therefore, students can assume full responsibility for their own learning pathways (André Sonnenburg- Principal, Oberschule Habenhausen, Germany).

It is common practise in education to employ virtual learning environments (VLEs) in a variety of settings, usually to provide instructional materials and enable collaboration. 248 second-year students at an English Sixth Form College completed an online survey on their usage of a virtual learning environment (SFC). According to the results of the survey, there was a positive impact on student learning from the college's VLE (Peter Gossman, 5th July 2021).

Research Objective

From the viewpoints of students, researchers, and professors, the goal of this study is to investigate the impact of a Virtual Learning Environment (VLE). The purpose of this research is to examine the implementation of virtual learning environments (VLEs) and the experiences that have arisen as a result of those goals and priorities.

According to the statement in this study, the target audience includes academic staff, students, VLE software owners, and any researchers who are interested in VLEs and their performance. Students and academic staff at HLE universities will benefit from a list of elements that are influenced by VLE. The list will subsequently be useful for future support and improvement of virtual learning environments software (VLEs).

Review of existing literature

While most of the material is geared towards higher education, some of it could have potential use in the school sector. Suggestions to further reading are included to help you learn more about what you have read.

The benefits about VLSs are that staff and students will find it simpler to utilise ICT in an integrated environment since the software has a similar appearance and feel throughout the whole organisation. Communication channels such as email, discussion groups, and chat rooms are also enhanced because of this integration.

Students can access the network from both home and college via their mobile phones.

Students who are absent or excluded from school may continue their learning at home by completing assignments assigned by the instructor on the Virtual Learning Environment (VLE). The VLE allows students to complete assignments, which can then be graded and returned via the internet.

Although the market for virtual learning environments (VLEs) is continually growing, the literature on their application in schools is only just beginning to appear. It has been found that when research studies on virtual learning environments have been carried out, they have often focused on the use of one or two elements rather than the overall influence of the system.

The evidence base remains very patchy, with developers' promotional literature and case study data remaining the primary sources of information for decision-making by parents and teachers.

Research Methodology

Secondary research

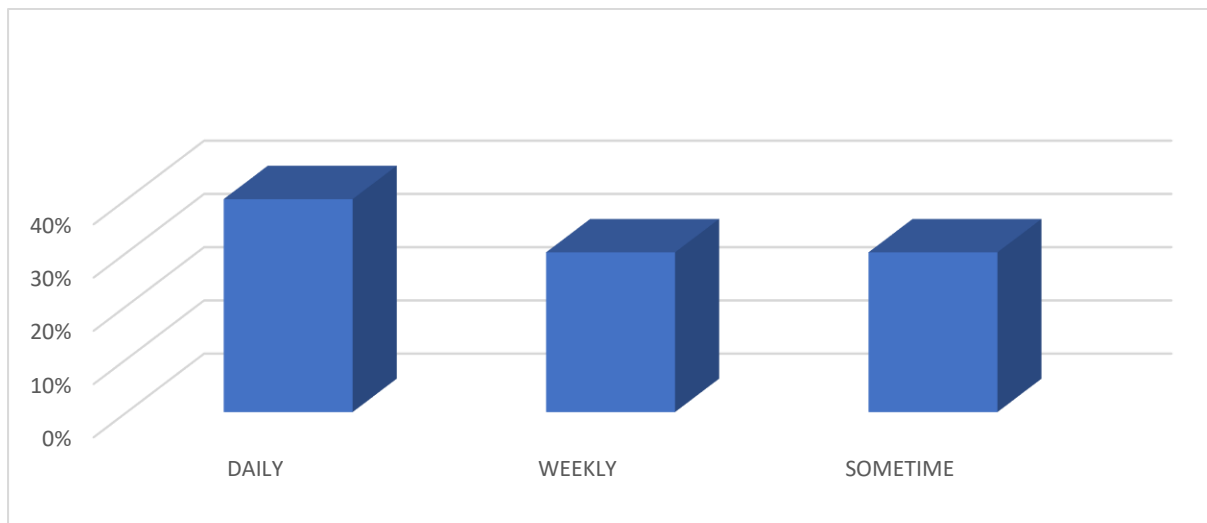
This research was conducted using VLS, Moodle, UWTSD library. As recommendation is good opportunity to visit UKEssays (November 2018). Virtual Learning Environment In Higher Education Education Essay. <https://www.ukessays.com/essays/education/virtual-learning-environment-in-higher-education-education-essay.php?vref=1>

Primary research

The purpose of this study is to examine the influence of a Virtual Learning Environment (VLE) in higher education institutions. The methods through which the VLE meets the requirements of students, as well as the means of facilitating communication and the exchange of information, are of particular relevance, using sample randomise questionnaire with 10 questions and with 3 variant of answers for graduate and ungraduated categories in University of Wales Trinity Saint David.

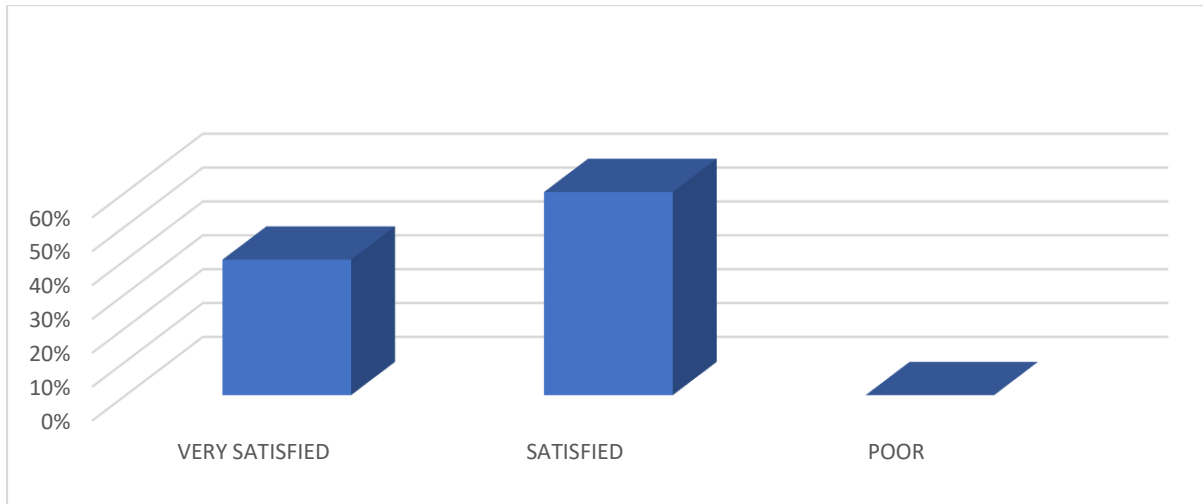
Data and Data Collection

How often use VLE Moodle to make research regarding class activities?



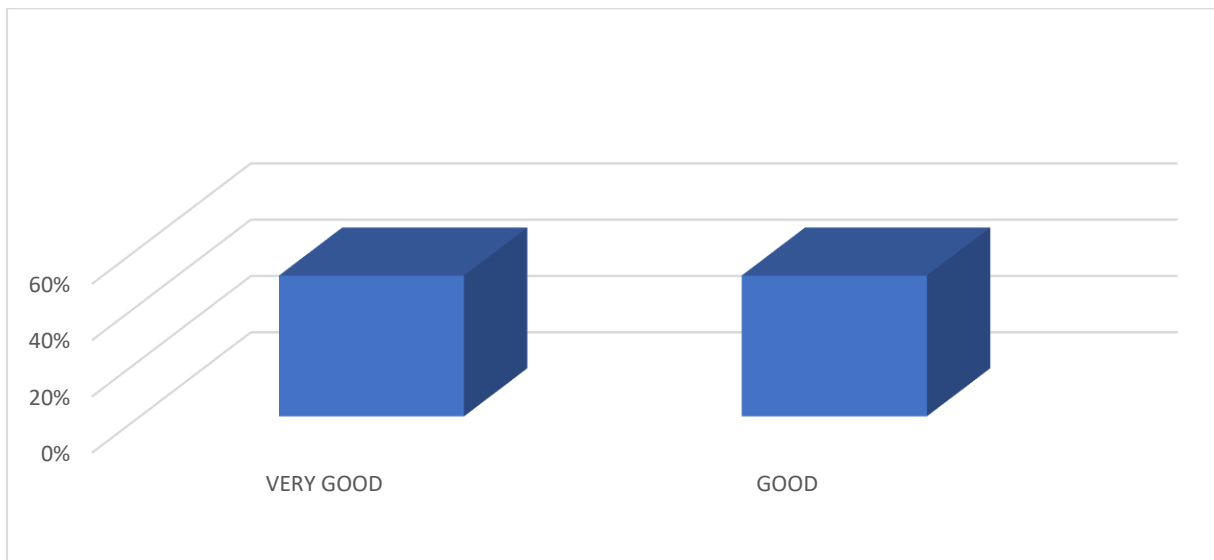
From this answer, result a positive result in VLE Moodle research facility usage showing 70% from students are active in class and activities, however, 30% is a positive answer too because show a small amount of usage in VLE is taken in consideration.

How do you find VLE Moodle services in average of quality?



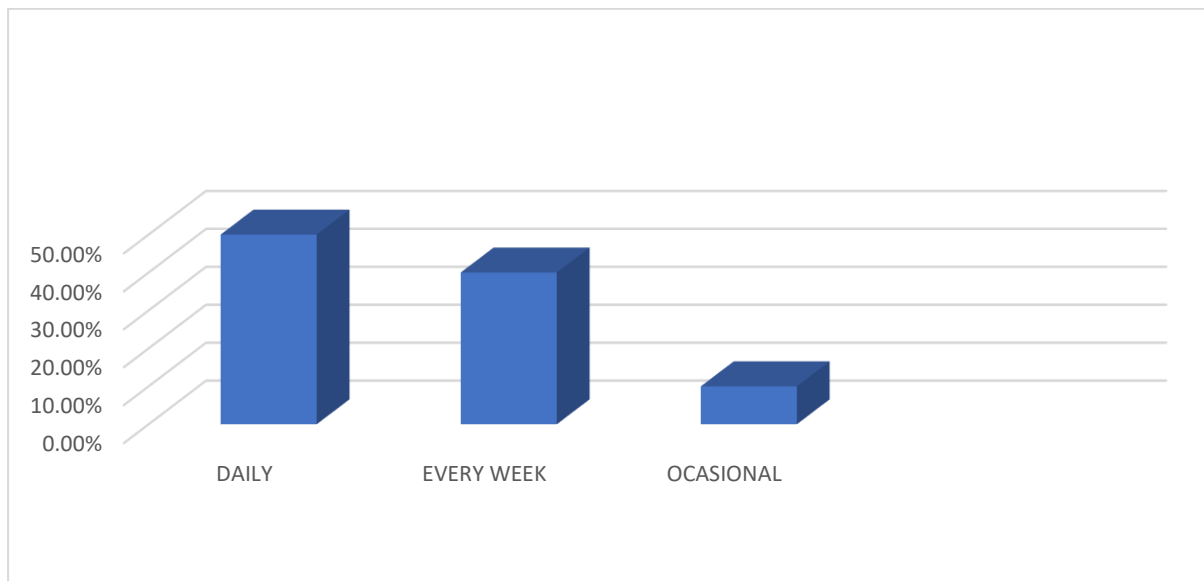
Here we have a formidable answer about services provided for students in UWTSD, this shown in 100% of average response have positive side effects if we put 40% of very satisfied and 60% of satisfied answers.

How do you find VLE Moodle Searching Engine in average of performance?



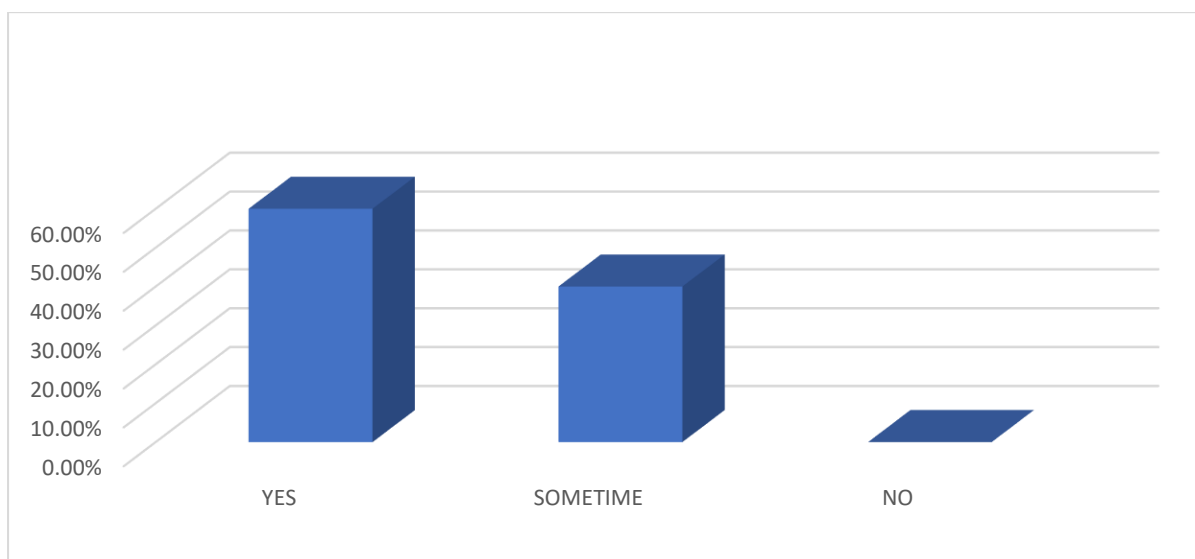
Pointing in direction of VLE Moodle Searching Engine performance research show a tight score in positive answers that show 50/50% of good and particularly good opinions.

How often use London Student Hall from VLE to search information about University of Wales Trinity Saint David Facilities?



Searching mapping of location study is a important factor in gathering knowledge of the environment, people and facilities placed inside the UWTSD, different individuals make 50% daily research about university, 40% every week and 10% occasional. This take in consideration as expected from method of research week and weekend students are active inside campus and online study. As the result is a positive view of activity from perspective of attendance.

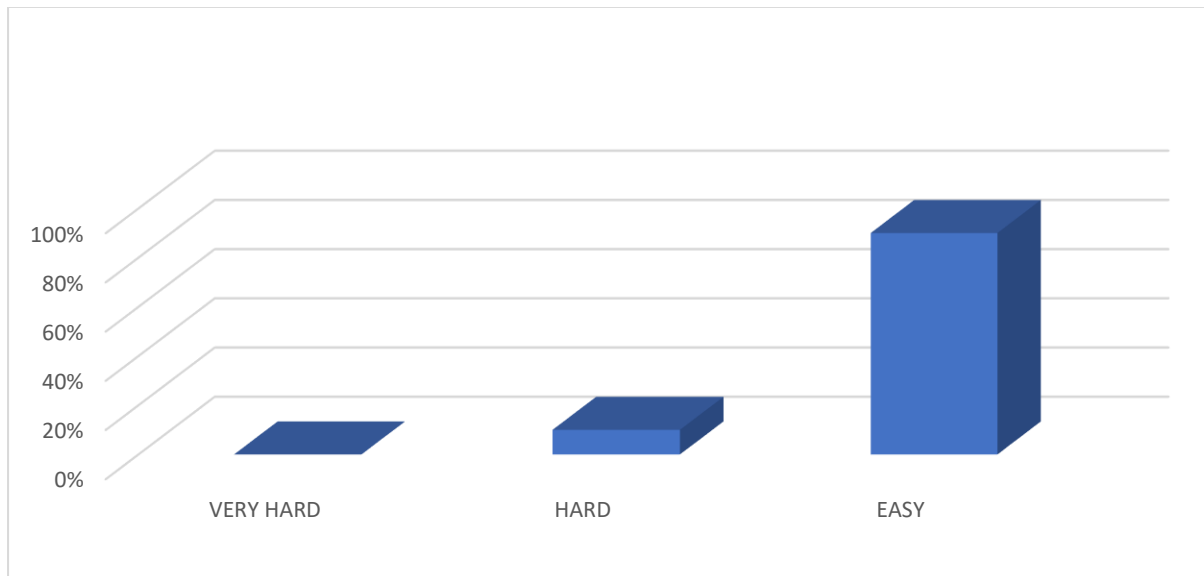
Do you check the calendar schedule in VLE Moodle to check your activities?



Checking calendar schedule is fundamental in organising daily activities and make it easy managing studies. As a result, from this question 60% of students check calendar

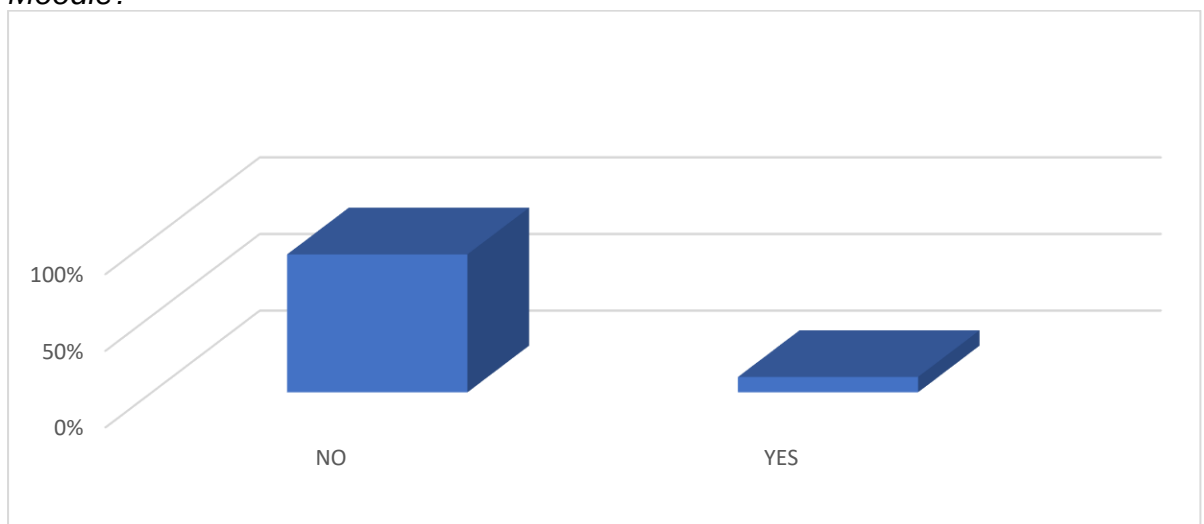
activities in studying, therefore 40% show less priority. But overall we have a good feedback in this particular subject.

How difficult you find accessibility to gather information from VLE Moodle Library?



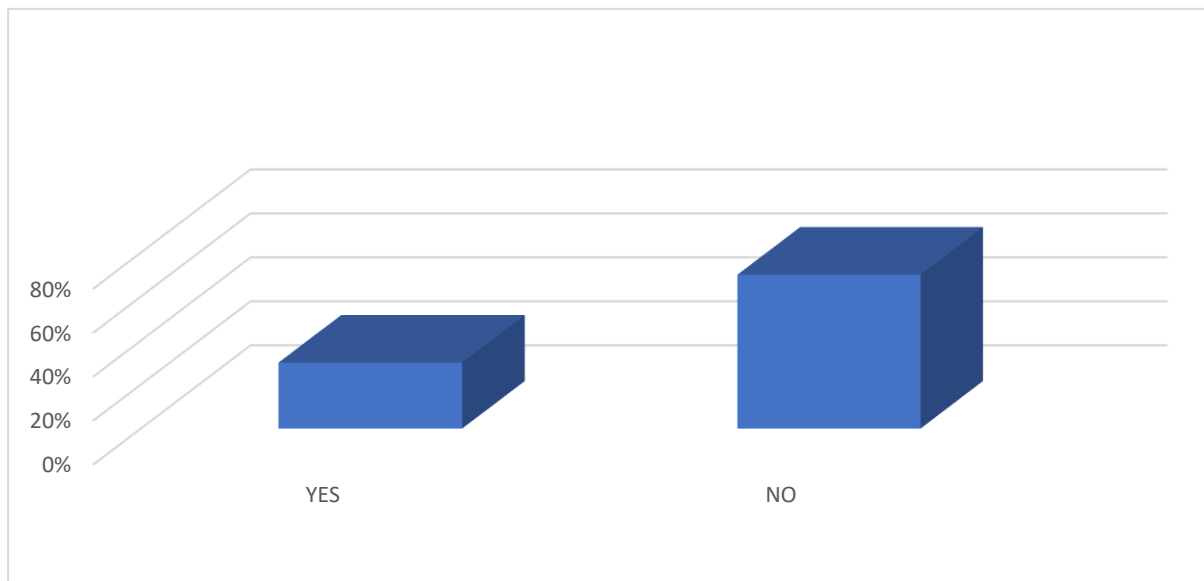
E-Books, online source of information, and different platform using internet are results of technology evolution around the world, looking back in time when news papers and books had different resources of knowledge, however, finding main point of gathering material for study and other documentation was more difficult and expensive to find. From this research 90% of students find online accessibility more easier and precise to study, therefore 10% have difficulties with diversity of VLE Moodle Library.

In every software we find bugs or errors, how many errors you had when access VLE Moodle?



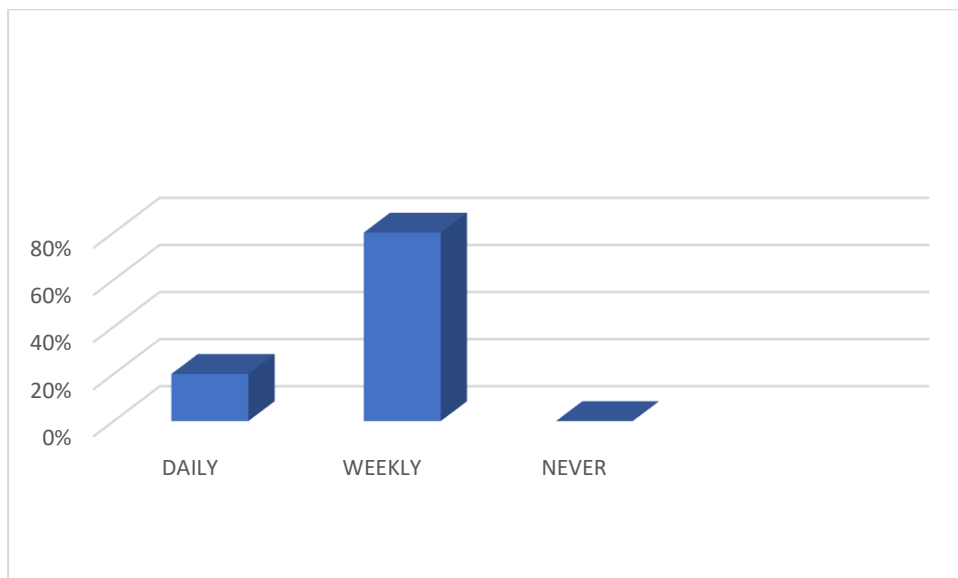
Modern online technology still have room for improvement as majority people know errors is part of daily life. Similar issues are easy to meet on internet, IT programs and software. Answers with positive impact from question above represent 90% of students who don't have difficulties using VLE Moodle on pc or laptops, but 10% are mobile applications errors.

Is any improvement you suggest for quality and easy access in VLE Moodle app.?



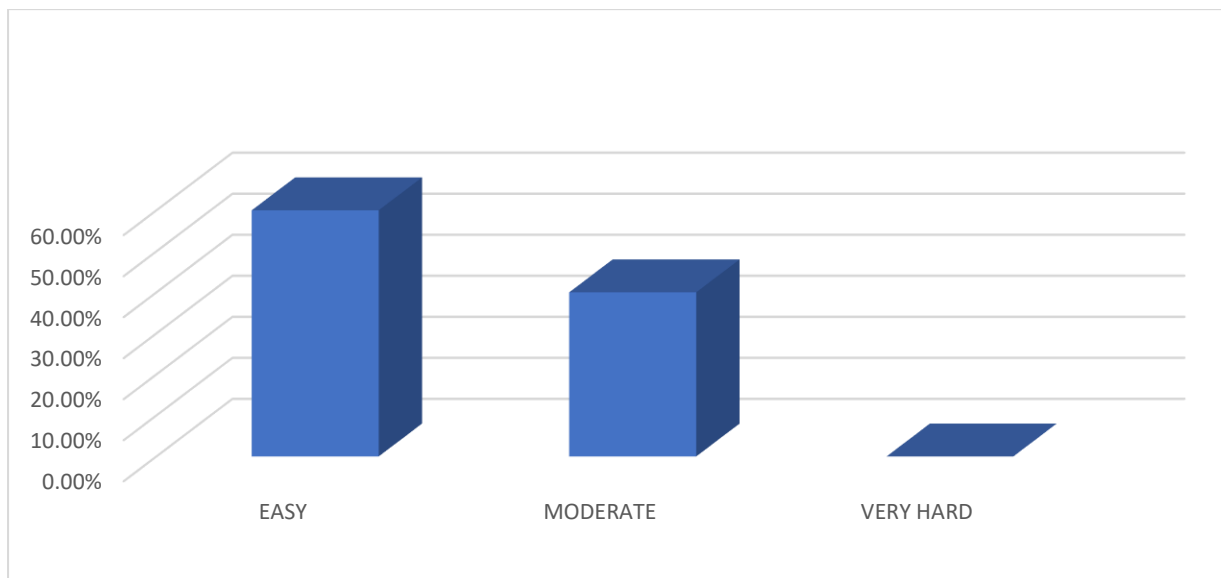
Speaking about errors and difficulties using VLE Moodle app. between smartphones and pc, question rise forward to quality and room for improvement accessing VLE Moodle applications. As 70% result from research questions show a satisfied answer with actual access of Moodle app, seems 30% have similar specification to develop the software design making it cleaner because contents may look unorganised.

How often you check the E-mail outlook from VLE Moodle?



Checking E-mails in those days is more accessible. 80% of UWTSD students answers show usage of outlook E-mail in VLE Moodle weekly and 20% daily, this questionnaire being design with random sample, is generalised as positive result as the actual university have daily and weekend graduate and ungraduated students.

How difficult you find MyTSD in VLE Moodle, if you use?



MyTSD is a platform used from university to have access to variety services that help students to collect information in personal affairs. From graphic above 60% from answers show easy access and no compliance about the service, and, 40% have moderate level, not specification from students found.

Finding, analysing and discussions

From the answers above based on University of Wales Trinity Saint David, random students shown interest in using VLE platform provided with easy access to different categories of information. Based on random sample simplified questions, impact come with 80% positives result from all study case, meaning the software provided is on average successful with attendants demands. 20% on negative impact is a result from online courses during the pandemic.

Conclusion

From all information and resources taken to complete this report, author explain Virtual Learning Environment Technology including Moodle platform, that bring the world on advance step to the future vision of academic learning. VLEs is easy accessible to people with disability and people outside campus or schools. The forums were utilised far less often than the other methods, however this might be due to a lack of knowledge on the side of the narrator. All of the students who were questioned expressed enthusiasm for the concept and the belief that they may prove to be a beneficial tool in the future. The VLE might be used to its greatest capacity, which could result in students obtaining their targeted learning goals in a more efficient manner.

Appendix

Questionary

How often use VLE Moodle to make research regarding class activities?

<i>Daily</i>	<i>Weekly</i>	<i>Sometime</i>
	X	
X		
X		
X		
		x
	X	
		X
		X
X		
	X	

How do you find VLE Moodle services in average of quality?

<i>Very satisfied</i>	<i>Satisfied</i>	<i>Poor</i>
X		
X		
X		
X		
	X	
	X	
	X	
	X	
	X	
	X	

How do you find VLE Moodle Searching Engine in average of performance?

<i>Very Good</i>	<i>Good</i>	<i>Poor</i>
X		
X		
	X	
	X	
	X	
	X	
	X	
X		
X		
X		

How often use London Student Hall from VLE to search information about University Facilities?

<i>Daily</i>	<i>Every week</i>	<i>Occasional</i>
	X	
	x	
x		
X		
x		
x		
	x	
		X
X		
	X	

Do you check the calendar schedule in VLE Moodle to check your activities?

<i>Yes</i>	<i>No</i>	<i>Sometimes</i>
X		
		X
		X
		X
		X
X		
X		
X		
X		
X		

How difficult you find accessibility to gather information from VLE Moodle Library?

<i>Very Hard</i>	<i>Hard</i>	<i>Easy</i>
		X
		X
		X
		X
	X	
		X
		X
		X
		X
		X

In every software we find bugs or errors, how many errors you had when access VLE Moodle? If yes specifies them:

<i>No</i>	<i>Yes</i>	<i>Specification</i>
	X	<i>Crashing the mobile app</i>
X		
X		
X		
X		
X		
X		
X		
X		

Is any improvement you suggest for quality and easy access in VLE Moodle app.?

<i>No</i>	<i>Yes</i>	<i>Specification</i>
	X	<i>Yes, it should have a cleaner website design. Because sometimes the content looks unorganized.</i>
X		
X		
X		
	X	<i>No specification</i>
	X	<i>No specification</i>
X		
X		
X		
X		

How often you check the Email outlook from VLE Moodle?

<i>Daily</i>	<i>Weekly</i>	<i>Never</i>
	X	
	x	
X		
	x	
	X	
	X	
	X	
	X	
	X	
X		
	X	

How difficult you find MyTSD in VLE Moodle, if you use?

<i>Easy</i>	<i>Moderate</i>	<i>Very Hard</i>
	X	
	x	
X		
	x	
	X	
X		
X		
X		
X		
X		

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