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Group 3 (WEEKEND)

Research Report on the impact of Virtual Learning Environment (VLE) Moodle on students.

Virtual learning Environment (VLE)

The Virtual Learning Environment is a platform that is web based for digital purposes during lessons, mostly in the education system. They study resources, structures and activities and as well as the interactions between students and teachers within the various stages of assessment process (Pererva et al., 2020). Middle Schools and, High School and other institutions use VLEs in order to:

- Increase academic performance in order to meet the standards to graduate.
- Address the diverse learning needs of all students with digital curriculum.
- Personalize learning to better meet the needs of all students including underachieving and accelerated learners.

Also, as a communication tools, learners from web generation, interact and collaborate, teachers can share online easily and reusable learning objects.

The main significance of Virtual Learning Environment (VLEs) is to provide a digital infrastructure that is strong enough to create understanding for students with the classroom and enables students to get accustomed to the professional digital environment. Moreover it can potentially to simplify teachers' administrative tasks and facilitate flexibility and personalise teaching according to Pererva et al (2020).

The impact of VLE on students are satisfactory, engagement, recall and retention.

VLE benefits include registered increase in computer self-efficacy, with a big number of participants reporting being dissatisfaction with the learning process that attained within the Virtual Learning Environment (Lehikko, 2020). Other apps with in the VLE enable one to connect with other software systems, like the MIS (Management Information System). The interaction between teachers and learners is enhanced in real time using the desktop, tablets, laptops, computers. Moodle enables students to benefit from self-paced independent learning, giving them the opportunity to gain new skills without having to travel or arrange childcare when they attend the course (Lehikko, 2020).

Disadvantages of virtual learning

The disadvantages of virtual learning maybe create a sense of isolation, everyone learns in their own manner, requires self-discipline, requires additional training for instructors, online classes are Prone for technical issues, Online learning means more screen-time according to Dung (2020).

Dung (2020) suggested that tutors were seen to underutilize the school blackboards as a means of Notting down core materials. Most students prefer to be accessed Virtual Learning Environment via where they can use their own personal computer and access, materials according to Dung (2020). The previous literature indicated promoted the use of mobile technology to access VLEs and indicated an increase from 2012 onwards. It is suggested that communication speed on social networks has increased greatly via mobile devices has leaded to increased online debates as well as social interactions with peers that spill over to VLE blogpost and discussion groups. This is all happening in ways that were not possible with PCs according to Posey etal (2010). Innovative disruptions to learn have also emerged.

“... Moodle users have often early-adopting tech-survey teachers looking for more affordable to manage content with their own classroom...” (Raffler, 1999).

However, this is collaborated by recent literature such as the Zainuddin Idrus and Jamal (2018) who further argue that “Moodle is mainly used as virtual storage for materials”

Discussion and analysis

The first point of departure when analysing the results was examine how often participants access Moodle before submitting assessments was:

- 1- 50% of the participants said that Moodle was easy to access form mobile phones.
50% said that it was not easy to access because the internet website is not available.
- 2- 100 % of the participants replied that Moodle was very good for assignments support, as they could find all the resources to write the Academic Assignments.
- 3- 60 %of the participants said the performance of Moodle was excellent and 40 percent said that it was satisfactory.
- 4- 50 % said that they recommend Moodle to others colleague to support their studies.
50 % replied that they did not recommend sometimes it can be a challenging to deal with some types of education technology.
- 5- 60 % of participants mentioned that they always use the Moodle for their studies and research. And 40 % said that they use the Moodle sometimes when it is necessary and when the site is available.

Therefore, Moodle provides functionally rich learning platforms which can be implemented quickly and at a lower cost than proprietary solution. PC, Mac, tablet and smartphone compatible.

Conclusion

In conclusion a VLE is a combination of many elements like as curriculum and assessment, content management; administration of learner information; learner engagement; communication tools; real- time (live) teaching elements; and collaboration tools. The elements and tools availability depend on the chosen platform.

References:

Pererva, V., Lavrentieva, O., Lakomova, O., Zavalniuk, O. and Tolmachev, S. (2020). The technique of the use of Virtual Learning Environment in the process of organizing the future teachers' terminological work by specialty.

Lehikko, A. (2020) June. Self-efficacy in immersive virtual learning environments: A systematic review. In *EdMedia+ Innovate Learning* (pp. 904-909). Association for the Advancement of Computing in Education (AACE).

Dung, D.T.H. (2020). The advantages and disadvantages of virtual learning. *IOSR Journal of Research & Method in Education*, 10(3), pp.45-48.

Posey, G., Burgess, T., Eason, M. and Jones, Y. (2010) March. The Advantages and Disadvantages of the Virtual Classroom and the Role of the Teacher. In *Southwest Decision Sciences Institute Conference* (pp. 2-6).

Raffler, M. (1999). Integrating Technology in the Elementary Classroom.

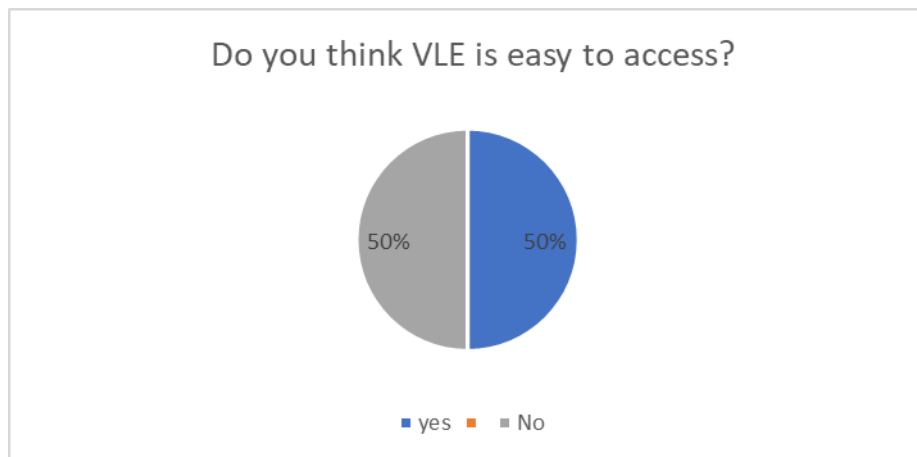
Zainuddin, N., Idrus, R.M. and Mohamed, A.F. (2018). Designing learning spaces for effective learning.

Appendix

- 1- Half of the students said that VLE Moodle is easy to access and to find the subjects that the lecturer develops in the class.

Yes 50%

No 50%



2-

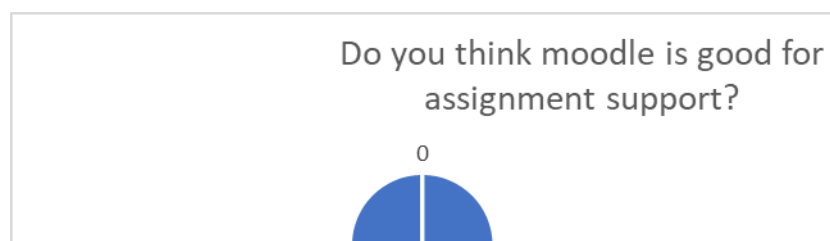
Do you think Moodle is good for assignment support?

Yes

100

100 per cent of the students said that the Moodle was very useful to help them with assignments.

No 0



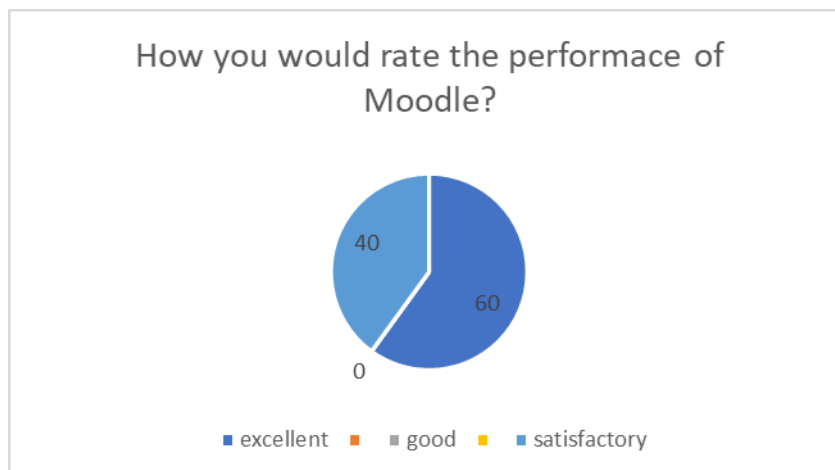
3- 60 per cent of the students said that Moodle is excellent for the support its offer to them.

40 per cent said that they are satisfied for the performance it supports them.

excellent

good

satisfactory



4-

Do you recommend VLE to another friend?

Yes

No



50 per cent of the students recommend VLE to another friend.
50 per cent do not recommend VLE to their friends.

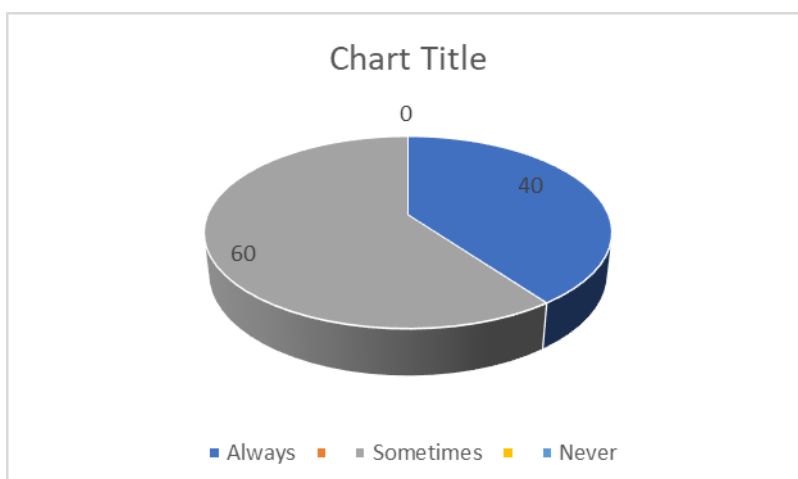
5-

How often do you use Moodle?

Always

Sometimes

Never



60 per cent of the student sometimes use Moodle as a supporting of learning.

40 per cent never use Moodle to develop their studies.