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DSR Assessment 2
Individual Report

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TABLE OF CONTENTS:

1. Introduction	p. 3
2. Research objectives	p. 4
3. Research methodology	p. 5-6
4. Research findings	p. 7
5. Conclusion	p. 8
6. References	p.9

INTRODUCTION

Virtual learning is an educational model that has improved the learning process of the students of today. In the virtual learning case, the teacher utilizes online sources to carry on lessons to students instead of the usual face-to-face teaching method in a class room. Because of the modern innovation, students can easily learn from home accessing a myriad of online resources and tools.

Virtual learning has surely grown in notoriety over the previous decade, and individuals have begun to perceive training acquired through virtual learning as being more real than they once did. We are living one of the most hard times of the 20th century and yet We are able to carry on studies and lessons through a computer.

This report focuses on conducting a valuable research about Virtual Learning Environment (VLE) such as Moodle and its impact on student of the University Saint David London Campus.

The utilization of Moodle under instructing resources is suitable for teachers and students to complete collective exercises and incorporate them effectively into the dynamics of the teaching learning process . Moodle platform , from a functional viewpoint, has effectively and easily configurable characteristics, which permits the creation of student assessment processes (surveys and online tests) and the administration of their assignment. It can likewise improve learning by giving an automated and versatile educational assessment . These platforms permit the improvement of new participatory strategies that are focused on students in their own development

The primary objective of this report is understanding how effective and how helpful the utilisation of a powerful tool like Moodle is among student of the same institution by conducting a quantitative research, using data that will be then converted into numerical form with the adoption of charts.

To collect the appropriate information will be used both primary and secondary methods of data collection to get a better understanding and obviously diverge towards the most accurate results.

Firstly will define what the concept of research are:

- Systematising the effort to gain new knowledge;
- Adding extra knowledge to the fact;
- Searching for knowledge to essentially find solution to a problem.

Therefore, it is very important for the research to be reliable, accurate and ethical.

RESEARCH OBJECTIVES

The objectives of research concisely describe what the research is trying to accomplish. They basically sum up the achievements the researcher wishes to accomplish through the project providing consequentially direction to the study itself. Research objectives must therefore be achievable, valuating the accessible time, the tools required for the research and other resources. It is recommended that the researcher has previously read about all the developments in his area of research and covered all those gaps in knowledge.

Below what the objectives of this research are.

Objectives	Reason
To investigate the educational utilization of Moodle platform on a daily bases at work	To get applicable results, students working in different sectors need to be identified, to better understand if the use of Moodle can be implemented in different work scenarios.
To review the usefulness of the platform for tasks and activities	The object is to highlight the student's satisfaction with Moodle and it's activities
To identify whether learning and teaching strategies are fortified by the platform	This objective to understand how students feel with their learning process supported by Moodle

Research methodology

We will adopt a quantitative research to analyse this case.

Quantitative research is the way toward gathering and examining mathematical information. It very well may be utilized to discover examples and averages, make predictions, test causal connections, and sum up outcomes to a wider range of targets.

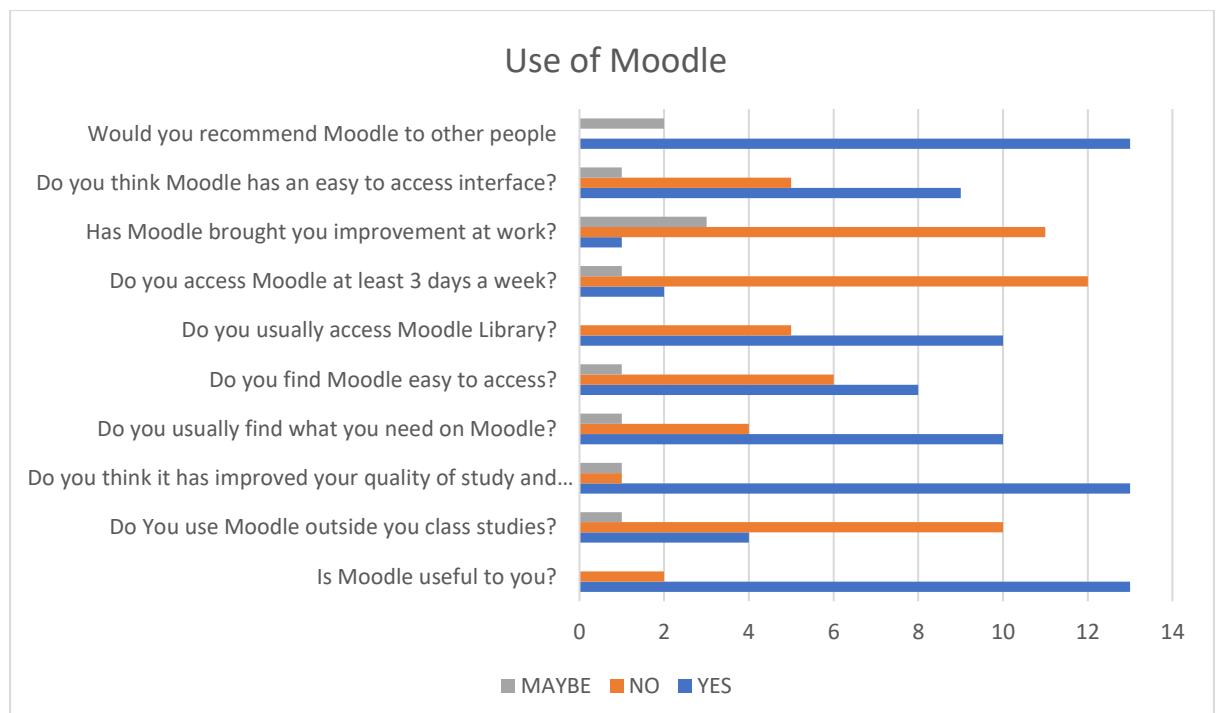
Quantitative research is something contrary to qualitative research, which includes gathering and investigating non-mathematical information.

An online survey was conducted as it allowed us to get high relevant and measurable results. Once the data have been collected, it has been processed and analysed.

The aim was to collect data from 15 students of the same institution, however it could have been extended to a wider number of people not necessarily from the same environment, but unfortunately the pandemic did not allow to move further than the university class.

Survey Questions:

1. Is Moodle useful to you?
2. Do You use Moodle outside you class studies?
3. Do you think it has improved your quality of study and research?
4. Do you usually find what you need on Moodle?
5. Do you find Moodle easy to access?
6. Do you usually access Moodle Library?
7. Do you access Moodle at least 3 days a week?
8. Has Moodle brought you improvement at work?
9. Do you think Moodle has an easy to access interface?
10. Would you recommend Moodle to other people?



RESEARCH FINDING

It is important now to divide the students according to their work or what is their intended career in order to understand in what professional fields Moodle becomes useful or not.

Among the interviewed student:

- 40% hospitality,
- 10% retail
- 50% IT

Below the internal percentages of these groups of student (Figure 1)

Has Moodle brought you improvement at work?

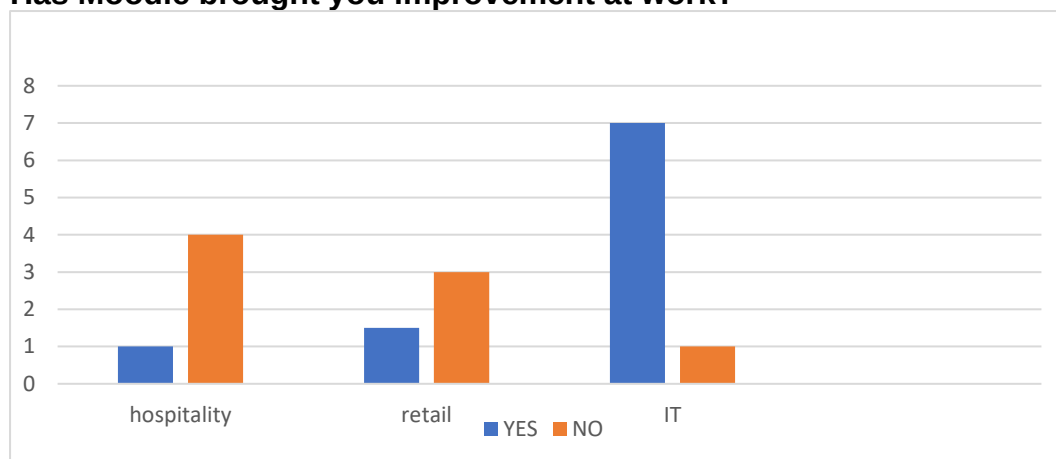


Figure 1

As shown in the bar chart above, The usefulness of Moodle has been analysed in professional scenarios where the chance to be adopted were obviously really low and yet its utilisation is still a possibility.

Other analysed aspects of Moodle and eLearning

In the end students were also asked about their thoughts and opinions on eLearning and Moodle in general as well as technical issues. The most important thing students highlighted is the wide accessibility of available teaching resources and exercises from literally anywhere without geographical restrictions. Other benefits they spoke about are the gathering of all the teaching material in one place and ,most important, the possibility of being informed about any issues going on regarding the courses they attend. This functionality is provided through Moodle's integrated mailing services, linked to discussion forums.

CONCLUSION

Based on the quantitative analysis carried out, the importance of Moodle in the learning process among the students is clearly evident.

The general opinion of eLearning is extremely positive.

Students believe that it offers a great and interesting approach to contemporary teaching and learning. Students also expressed their beliefs that eLearning is very useful, but it cannot replace face-to face learning completely.

It is fascinating to bring up, that students were more than willing to answer the questionnaire and it was required only 2 days to gather the outcomes.

Finally, Moodle is an incredible device for mentors since it is a stage to make and save showing material effectively and a shared online platform for teachers and students to learn together. Other than making courses, it is likewise exceptionally helpful to join the online communities to keep yourself updated with the world.

References

What is quantitative research?

(<https://www.scribbr.com/methodology/quantitative-research/#:~:text=Quantitative%20research%20methods%20%20%20Research%20method,To%20assess%20whether%20attitudes%20towards%20clim%20...%20>)

7 Benefits of a Virtual Learning Environment

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Research findings

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