**CHAPTER II**

**REVIEW OF RELATED LITERATURE**

**Definition of a Learning Management System**

The definition of a Learning Management System (LMS) has varied from time to time, and Altınpulluk, H., & Kesım, M. (2021) states that has changed in parallel to the developments of Information and Communication Technology (ICT). [Nguyen, N (2021)](https://www.sciencedirect.com/science/article/pii/S1029313221000336) states that a Learning Management System (LMS) can be considered as an important means of knowledge acquisition and learning management in the digital era. A Learning Management System is also defined as a software application or website that is designed to deliver courses, acquire knowledge and control learning ([Nguyen, N 2021](https://www.sciencedirect.com/science/article/pii/S1029313221000336)).

According to Albert et al. (2021), Learning Management Systems promote the distribution of instructional resources to students by educational institutions without the need to purchase physical copies.

**E-Learning and its prominence in modern era**

Distance-learning, online learning, and virtual learning are all different terminologies of E-learning which is short for Electronic Learning. It is defined as learning which is supported by technology. According to Muhammad, A et.al. (2016) E-learning is defined as "the use of various technological tools that are web-based, web distributed, or web capable for education" and E-learning materials as the wide set of applications and processes which use available electronic media and tools to deliver education and training. The materials that

fall under this category are E-books, Educational Videos, Learning Management Systems (LMS), Online Courses and reviewers.

The popularity and usage of E-learning materials has been growing year after as effects of the advantages it provides, such as flexibility, internet accessibility, and cost effectiveness (Naveed, Q.N. et.al. 2017). This growth is also driven by the increasing availability of digital devices and the expansion of high-speed internet, which facilitate easier access to online learning platforms.

Rabiman, R. et.al. (2020) states that E-Learning shifts the role of traditional learning to be improved more effectively by taking advantage of students’ current habits and that E-Learning can improve teaching and learning activities to be more efficient. They also state that the development of E-learning technology is very rapid and that it is one of the reasons why it is important to be implemented and developed.

The study of Alqahtani AY and Rajkhan AA. (2020) concluded that the educational process worldwide has been interrupted due to the COVID-19 pandemic. E-learning is becoming much more necessary, and is very important in education. The also found that educational institutions during COVID-19 faced the unique challenges of smoothly maintaining the process of learning. Therefore, the need for educational institutions to implement such thing.

**Usage of LMS and its potential from perception**

Prestoza, M. J. (2024) have found that public school teachers in the Isabela Province of the Philippines frequently use cloud-based Learning Management Systems such as Google Classroom to integrate with their teaching. It is shown that public school teachers blended Google Classroom in their teaching methods and the most of the time it is used for transferring their lessons, distributing assignments, facilitating class discussions, class announcements and posting reminders. This widespread adoption of Google Classroom

demonstrates how technology can streamline administrative tasks and enhance the learning experience. By utilizing such platforms, teachers are able to provide more immediate feedback, support diverse learning styles, and create a more organized and interactive educational environment."

It is found that the acknowledgement of the importance of technologically-enhanced or Information and Communication Technology (ICT) based learning medias are widely accepted by students (Wiratomo, Y. & Mulyatna, F. 2020). This acceptance highlights a growing recognition of the role that digital tools play in enhancing educational experiences and outcomes. The integration of Information and Communication Technology (ICT) in learning environments also prepares students for a digitalized world by developing their technological competencies.

According to research by Panergayo (2021), students’ perceptions regarding the usefulness and ease of use of using Learning Management Systems could predict their intentions to use it. When students find Learning Management Systems to be both beneficial and user-friendly, they are more likely to integrate these tools into their learning practices.

According to the study by Garcia, M.B (2017), it is found that internet connectivity experience has a positive relationship with perceived ease of use to Learning Management Systems (LMS) and E-Learning as a whole. Additionally, students are more likely to adopt and use the system given the high-speed internet.

**School Implementation of a Learning Management System**

1. Disadvantages