**KOLEHIYO NG LUNGSOD NG LIPA**

**TeachNology**

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**APPROVAL SHEET**

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**ABSTRACT**

With the emerging use of technology in the educational process, e-learning systems contribute immensely to educational delivery. However, there were still claims about the lack of an online support system that offers a quality, systematic, and organized repository of learning materials such as lectures, quizzes, activities, and examination, which significantly affects education quality

This study leads to the introduction of a web-based learning management system entitled “TeachNology”. The purpose of the research study is to implement a learning management system that provides educational institutions, faculties, admins, and students with a more systematic, organized, and portable teaching and learning solution. Previous case studies from other schools and universities were used as a research reference. It helps the researchers to be more aware and identify the gaps in this study.

Information was accumulated by observing the current process of delivering educational resources and teaching methods. Moreover, the researchers tested different existing learning management systems to gain more knowledge and understanding about the needs of a feasible system. This study aims to provide a learning management system that will transform the learning and teaching experience.

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**CHAPTER 1**

**1.0 Project Description**

A significant number of institutions, schools, and universities worldwide have opted to have a Learning Management System as it delivers more training to students at its fast, convenient and consistent advantages. It has also been advantageous versus solely classroom-based models. Most schools and universities in our country have been continuously delivering traditional lectures through technology as to software demonstrations and PowerPoint presentations. As always, a key to learning and e-learning sites is its high-quality content and instructional design that makes these courses effective.

A Learning Management System (LMS) is software for delivering, tracking, and managing learning instruction. An LMS aids numerous institutions in distributing courses over the Internet and offering features for online collaboration. However, by definition, an LMS is intended to manage, not to train and develop. That is because the underlying architecture required to manage and administrate training differs from the framework needed to instruct and learn.

This study seeks to improve students' learning curve with a learning management system's aid through high-quality content materials. Furthermore, the study seeks to identify progress learning measures in merging quality content delivery and instructional design and substantial investment in using an LMS.

* 1. **Current State of Technology**

Learning has changed from the standard and fully manual learning methods to semi-computerized such as using PowerPoint Presentation and now, E-Learning. Technology has improved many things, especially in education. Nowadays, different systems are emerging and making learning more convenient, accessible and portable for everyone.

Though many things have changed and improved using technology, it is undeniable that some of the learning institutions are still left behind from all of this improvement. The establishment of Kolehiyo ng Lungsod ng Lipa (formerly known as Lipa City Public College) in Marawoy, Lipa City, Batangas, is a dream came true of Lipa City government under the former Mayor Ruben L. Umali and now under the administration of the Honorable Mayor Eric B. Africa.

Kolehiyo ng Lungsod ng Lipa is one of the few schools that still use a semi-computerized method of delivering learning resources to its students, which is time-consuming and requires more workforce. This study will help the school administrator to distribute and store learning resources with an organized repository easily. It also has an automated grading system and gives real-time reports on students’ progress and achievement.

**1.2 Project Objectives**

**1.2.1 General Objectives**

The general objective is to provide educational institutions with a systematic and organized learning management.

**1.2.2 Specific Objectives**

* To design an organized repository of learning system
* To design and develop an automatic grading system
* Design and develop a module that would help the instructor/administrators ease the delivery of modules, lectures, and other educational and training programs.
* To design and develop a module that would give a real-time report on student’s progress and achievement

**1.3 Scope and Limitation of the Project**

Although the Teachnology or the Learning Management proposed system has many benefits, it also has limitations.

**Scope**

Teachnology or the Learning Management proposed system enables the students/lecturers to learn with a systematical approach and understand subjects with a broad perspective, and because it is online, it delimits the barriers and provides international accessibility.

**Limitation**

With all of its benefits, this system also has its limitations; it does not have an enrollment system. It lacks a feature for real-time communication or interaction between the learner and the facilitator.

**1.4 Significance of the Project**

Nowadays, technology can transform education, and this study has great significance to students, lecturers, and administrators.

**Students and lecturers**. Students and lecturers benefit from this since they can use it as an alternative venue for their discussions and sharing sources because it is a virtual extension of the classroom that is accessible via the internet.

**Administrators.** Administrators will be better able to implement tighter controls on course content and delivery as they can also access the site.

**1.5 Definition of Terms**

**LMS -** a centralized Web based information systems where the learning content is managed and learning activities are organized. LMS represents a more general term for a technology framework that supports all aspects of formal and informal learning processes (Watson & Watson, 2007), including learning management, content management, course management, etc.

**Internet**- computer network that are providing a variety of information and communication facilities, consisting of interconnected networks using standardized communication protocols.

**Online**- controlled by or connected to another computer or to a network.

Systematic- done or acting according to a fixed plan or system; methodical.

**Technology**- the application of scientific knowledge for practical purposes, especially in industry.