**LEARNING MANAGEMENT SYSTEM**

***A Dissertation submitted to Jawaharlal Nehru Technological University, Hyderabad*** *In partial fulfillment of the requirements for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

In

**INFORMATION TECHNOLOGY**

By

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***Under the esteemed guidance of***

**YOUR PROJECT GUIDE**

**DESIGNATION**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**MALLAREDDY COLLEGE OF ENGINEERING AND TECHNOLOGY**

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*CERTIFICATE*

This is to certify that Dissertation entitled “**LEARNING MANAGEMENT SYSTEM"** is a bona fide work done by **K.SAIBABA** bearing Roll No.**11N31A1228** under my guidance and supervision and is submitted to **Jawaharlal Nehru Technological University, Hyderabad** in partial fulfillment of requirements for the award of **Bachelor Of Technology** in **Information Technology** during the academic year 2011-2015.

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**ABSTRACT**

Web-based Learning Management Systems (LMS) (bridges the gap between the instructor and students, paving way for a entirely new and interactive approach in the same )allow instructors and students to share instructional materials, make class announcements, submit and return course assignments, and communicate with each other online. The prevoius model is manual form of connectivity, where sharing is done with human interfaces,or third party email or social netoworking servers, which leaves security concerns down and also focuses only on faculty-student communication, leaving behind inter-student communication.

In contrast this LMS system provides facutly-student interaction in addition generates an interactive environment for students to share their ideas, or queries among each other and including discussion boards on the same. An LMS is a branded, secure extension of your organization’s training/education effort to deliver content and materials in an easy, professional, managed and accessible manner – for users and administrators.

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**CHAPTER1: INTRODUCTION**

**1.1 INTRODUCTION TO LMS**

Learning management system is an interface between instructor-student and student-student. It is a PHP based dynamic website designed to bridge the gap between the major entities of an educational institutions.

LMS replaces any third party interference in the path of communication i.e., it acts as a substitute for class representatives , third party email servers and social networking groups.

The norms following which the LMS is built are :

* “Learn and Teach anywhere”
* Quick response
* No third party email servers
* Library resource availability
* Interactive learning
* Secured channel of communication

The services provided by LMS are:

1. Updates posting /Viewing
2. File transfer without FTP servers
3. Library resource management
4. Discussion boards(Dash boards)
5. Quick feeds(Favorite dashboards)
6. Secured against various Internet vulnerabilities

**1.2 IMPORTANCE OF LMS**

The existing educational environment has few loop holes which are effecting the bond between student-student and faculty-student i.e., a student isn’t provided a social environment with which he/she can interactively share his/her thoughts or doubts with either faculty or fellow student.A representative middle ware has become essential for transferring the college information or updates from faculty to the students and a third party mail server is mandatory for transferring such information or any files to the group of students.

Here, the collection of group id’s of all students becomes cumbersome and acknowledgement that every student has received the information cannot be assured.

LMS overcomes the above issues by providing user friendly interface that is a dynamic website which holds two types of authenticated id’s i.e, a student and a faculty.

A faculty can start a session by logging in to the site by providing his/her corresponding employee id and password & can post any updates about his/her subject or the college functionality and can also attach soft copies of textbooks or any other files which has to be broadcasted to a class of students.A faculty has to mention the Year, Branch, subject, message, attached file(optional) so that the corresponding student of that year and branch combination can only receive the update and/or the attached file.

A student can do the same to start a session by providing his/her hall ticket number along with the respective password provided to him/her and can view the updates which were posted for his academic year, branch and can download the attachments.

The combined services provided to both faculty and student users are library resource management where a user can search for the availability of a particular book in the library and also can chose between the available books by the decision factor called Rating which is given by other readers out of 5.This helps for optimized usage of the services provided by the college library.The discussion boards can be used for sharing doubts and thoughts with other faculties and students & can review other’s thoughts by commenting on them.One can subscribe the feeds of the discussion boards he is actively participating or interested in.

**CHAPTER2: SOFTWARE AND HARDWARE REQUIREMENTS**

**2.1 Software Specification**

The front end of the website i.e, the user interface Is designed with the combination of traditional HTML and CSS along with the latest HTML5 attributes and CSS3 media queries.Because of the incompatibility of HTML5 and CSS3 with all browsers , the JQUERY(Java Libraries) is used for cross browser compatibility of responsive design of the website.

The middle ware that is the dynamic content of

**2.1.1 ABOUT PHP**

**2.1.2 ABOUT DATABASES**