

## **ABSTRACT**

Library Management System is a web based DBMS project. This project has been designed for Library a staff who wishes to keep track of the books. It gives all the information about the various books available at the library. It is a user friendly project which will reduce the cost and time taken for keeping records of books. MySQL is chosen as the back end to implement this database because MySQL is one of the most important languages in the present world as it is user friendly, and as it has a highly interactive nature, whereas the front end is implemented in HTML and the interface between the front and the back end is PHP.

PHP is a powerful tool for making dynamic and interactive Web pages. PHP is the widely used, free, and efficient alternative to competitors such as Microsoft's ASP. PHP stands for **PHP: Hypertext Preprocessor**. It is a server-side scripting language, like ASP. PHP scripts are executed on the server. It supports many databases (MySQL, Informix, Oracle, Sybase, Solid, PostgreSQL, Generic ODBC, etc.). PHP is open source software. PHP files can contain text, HTML tags and scripts. These files are returned to the browser as plain HTML. PHP combined with MySQL are cross-platform.

The main objective behind maintaining such an internet based private web application is to serve the librarians as to keep tracks of students borrowed the books. Here, the library management system is used as an interface between the librarian and the books that the student wishes to borrow. The librarian can login with his username and password and then is directed to a page where he/she can view the details of students and books present in the library.