**A Mini Project on**

**ONLINE LIBRARY MANAGEMENT SYSTEM**

**By**

**K.Vamshi Chander**

**Sign of Project Guide**

**Abstract:**

The paper titled Library Management System is Library management software for monitoring and controlling the transactions in a library. The paper "Library Management System" is developed in java which mainly focuses on basic operations in a library like adding new member, new books, and updating new information, searching books and members and facility to borrow and return books. "Library Management System" is a windows application written for 32-bit Windows operating systems, designed to help users maintain and organize library. This software is easy to use for both beginners and advanced users.

**Introduction to the project:**

The purpose of the application is automation of library ,it provide facilities to student or member to search for the required books and it allows the administrator or librarian to Issue & return books to students and can create & delete membership of students. The software Library Management System has four main modules. Insertion to Database Module - User friendly input screen Extracting from Database module - Attractive Output Screen Report Generation module - borrowed book list & Available book list Search Facility system - search for books and members

**Existing System :**

The Present system manages all library information across ledgers and files. Maintenance all data related to books,

borrowers and librarians id done manually using conventional procedures. These methods are not effective and lead to mis management of data. It is difficult for a user to check availability of a book and to make reservations.

**Disadvantages:**

Some of the problems faced in manual system are as follows:

1. Fast report generation is not possible
2. Tracing a book is difficult
3. Information about issue/return of the books are not properly maintained.
4. No central database can be created as information is not available in database

**Proposed System:**

Proposed system is an automated Library Management System. Through our software user can add members, add books, search members, search books, update information, edit information, borrow and return books in quick time. Our proposed system has the following advantages.

**Advantages:**

1. It provides better and efficient service to members.
2. It is the online system that can be operated from anywhere.
3. User can enquire about the book without going to the library.
4. Reduce the workload of employee.
5. Faster retrieval of information about the desired book.
6. All details will be available on a single click.

**Feasibility Report :**

The main objective of the feasibility study is to test the Technical, Operational and Economical, feasibility for adding new modules and debugging old running system. There are aspects in the feasibility study portion of the preliminary investigation:

1. Technical Feasibility
2. Operational Feasibility
3. Economical Feasibility

**Technical Feasibility :**

Evaluating the technical feasibility is the trickiest part of a feasibility study. This is because, at this point in time, not too many detailed design of the system, making it difficult to access issues like performance, costs on (on account of the kind of technology to be deployed) etc. A number of issues have to be considered while doing a technical analysis.

**Operational Feasibility :**

Proposed projects are beneficial only if they can be turned into information systems that will meet the organizations operating requirements. Simply stated, this test of feasibility asks if the system will work when it is developed and installed. Are there major barriers to implementation.

**Economical Feasibility :**

Economic feasibility attempts to weigh the costs of developing and implementing a new system against the benefits that would accrue from having the new system in place. The feasibility study gives the top management the economic justification for the new system.

**Software Requirements :**

Operating System : Windows Family or Linux

User Interface : HTML, CSS

Client-side Scripting : Javascript

Programming Language : Java

Web Applications : JDBC, Services,JSP

IDE/Workbench : My Ecllipse

Database : Oracle 10g

Server Deployment : Tomcat 6.x

**Hardware Requirements :**

Processor : Pentium IV

Hard Disk : 40GB

RAM : 1GB or more