**AIM: To prepare problem definition for library management system.**

ALibrary Management Systemis a software used to manages the catalog of a library. This helps to keep the records of whole transactions of the books available in the library.

**SCOPE**

This project designs and implements library management system. Supported by a well-designed database, all available books information is integrated together and can be accessed easily through a single search bar. A user friendly interface is provided so that various combinations of criteria can be compared entered by the user and generate corresponding database search statements. The library management system provides both Students/Staff and Librarian interfaces with the latter used for administration purposes.

**PROJECT OVERVIEW**

The Library management system project is an implementation of a general library. which helps the customers to search the availability and prices of various books, along with the different Authors available for the same book. This project also covers various features like online registration of the users, modifying the details of the books by the librarian or administrator, by adding, deleting or modifying the customer details, books or availability information. In general, this system would be designed to perform like any other library available.

**WORKING**

1. Registration module- In registration module user has to give his details like name, address phone number etc. After registering with library the user can log on to his/her own account and can view all books details such as author name, Prices, Availability of books and unique books available. Registered user can choose any number of books.

2. Administrative module of Library management system Administrative module is developed to manage and update the content at regular intervals, The major operations of Administrative module are: .Admin can Create and maintain book availability, price and timings of the library using administration module, View the customers list of a particular book. And he can also view feedback of the user about the Library management system, View the available books in the market, Cancel the fine on any book or user, Updating the availability schedule and timings and price.

**Expected Functionalities through automation**:

1. Better customer satisfaction
2. Easy access to the information about newly available books
3. Easy maintenance of the databases by the administrator
4. Calculate the number of customers using the system
5. Maintenance of information regarding various customers

**CONCLUSION**

Thus this software will help customer to find books with easy and simple steps.