**Scope plan**

**Scope definition**

our project is Library management systems that are designed to manage the movement of books and maintain records of the members in a library. The software solution is designed based on the system requirements, the people involved, the content of the operation and the activity to be performed.

The function requirement

The system requirement in library management focuses on the possibility of search for books by title, author or subject by the member. They should be able to locate a book physically by the unique identification code and the rack number for each book. The system should provide details on the books held by the members. The system should limit the number of books that can be taken and the number of days that a book can be kept for. The system should generate fines when due from the member.

The next step focuses on the functions of the librarian, the member and the system. Managing books by the librarian, searching for books by the members and notifications sent by the system are detailed in a case diagram.

Project Objectives:

The main objective of the Library Management System is to manage the details of Address, Member, Issues, Books, Student. It manages all the information about Address, Librarian, Student, Address. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Address, Member, Librarian, Issue. It tracks all the details about the Issue, Books, Student.

Requirement collection:

User requirements:

1. The software provides good graphical interface for the user any administrator can operate on the system, performing the required task such as create, update, viewing the details of the book.

2. Allows user to view quick reports like Book Issues/Returned etc. in between particular time.

3. Stock verification in different criteria or according to different-different categories.

4. Search facility based on different criteria in depth.

Functional requirements:

1. Administrator Menu: In this module we can do the following:

1)Admin should be able to insert, update and delete books.

2) Can accept or reject a new user according to the library policy.

3) Can get the information of any member who has borrowed a book.

4) Add and edit book categories and arrange books by categories.

5) Can record books returned by users.

2. Register student: In this module we can keep the record of how many students have we registered.

3. Payment module: Payment facility for fine payments.

4. Available module: To view the availability of books.

5. Book entry: In this module we can enter a new book and store it.

6. Book issue: In this module we can issue a book to the student.

7. Book record: In this module we can keep the records of various books being issued and returned.

8. Database module: This has two functions – Insertion of data and extraction of data with a user-friendly screen.

9. Search Module: search facility for books and members.

10. Report module: For the borrowed books list to display.