

Library Management system1) Introduction:

i) Problem statement:- To provide online library service

ii) Scope:- It includes managing library catalogues allowing users to search, borrow, return and renew books. It ensures different access for students, staff and librarian.

2) Functional requirements:

- Book search:- User can able to search for books, by title, author, subject or ISBN
- Book reservation:- Users can reserve books that are currently borrowed and receive notification when they become available
- Borrow and return:- system should remind when users borrow or return books
- User Registration:- User can able to register or re-register
- Fine calculation:- Calculate fines for over due books and send notification

3) Non-Functional requirements:

- Performance:- The system should be more fast and maintain users accordingly.

- Usability:- The interface for the user should be simple to use.

- Security:- User's data should be encrypted

7) Domain Requirement :

1) Library rules : system should follow library rules for duration of borrowing.

- Circulating policy : system should follow policy of either renewing or returning the book after 15 days

- Interface requirement : It should allow access for students, staff and librarians

