

Lab - 02

★ Generate SRS

① Library Manage

→ stock maintenance

→ Passport automation

⇒ Library Management

① Introduction:-

- 1.1) purpose:- for providing online Library services
- 1.2) Scope: it includes managing library categories allowing users to search borrow, return & renew books, it ensures different access for students, staff & librarian
- 1.3) Problem statement:- Design a website for providing library services

② Functional requirements:

- 2.1) Book search: Users should be able to search for books by title, author, subject or ISBN.
- 2.2) Book preservation: Users can reserve books that are currently borrowed & receive notification when they become available.
- 2.3) Borrow & return: System should record when users borrow or return books
- 2.4) User Registration: User must be able to register
- 2.5) Fine calculation: calculate fines for overdue books and send notification.

③ Non-Functional requirements:-

- 3.1) Performance: It should handle more number of users
- 3.2) Usability: at some time many number of users can use the website.
- 3.3) security: User ^{data} should be encrypted.

(A) Domain Requirements:-

4.1) Librarian's Rules: System should follow library rules for duration of borrowing fines.

4.2) Circulating Policies: System should follow policy of either renewing or returning the book after 15 days.

4.3) Interface requirements: It should allow different access for students, staff & librarians.