3) **Library System :—**

a) **Problem Statement :**
The current library management process lacks efficiency & scalability, leading to difficulties in tracking book inventory, managing member accounts & facilitation smooth transaction

b) **Purpose of this Document :**
This section clarifies why the SRS document is necessary. It serves as a guide for the development team, stakeholders & anyone involved in the project.

c) **Scope of Development :**
It outlines what value of system will provide to customers & stakeholders along with estimates of development cost & time.

d) **Overview :**
This section provides a summary / high level review of the library system.

e) **General Description :**
This section provides a broad overview of system including its general functions, user characteristics features & benefits. It sets the stage for a deeper understanding of the system.

f) **Functional Requirements**
It describes the specific functions / capabilities that the system must perform. This includes actions such as cataloging books, managing users, handling circulation transaction & generating reports.

g) **Interface Requirements:**
It includes details how the system communicates with users, other software systems & external devices. This includes both user interface for interacting with the system & system interfaces for integrations with external databases.

h) **Performance Requirement**
Performance requirements specify how the system should perform under various conditions. This includes factors such as response time, scalability & system reliability.

(i) **Design Constraints:**
Design constraints outline any limitations / restrictions that the development team must adhere to when designing the system. This could include platform compatibility requirements, hardware limitations.

(g) **Non-functional attributes:**
These are qualities of system that are not directly related to its specific functions but are essential for its overall performance / usability.

k) **Preliminary Schedule & Budget:**

This section provides an initial plans for development of the system, including a timeline & budget estimates. It outline the phases of the project, such as requirements gathering, design implementation, testing & deployment.