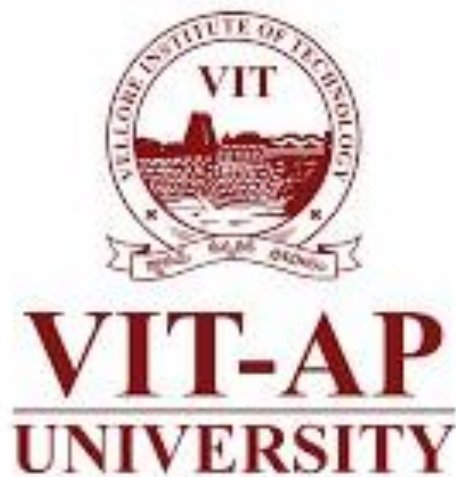# Software Engineering Project Report

Project title: Library Management System(LSM)

Team Members:

V. Manikanta Bhuvanesh – 19BCD7088(LEAD)

T. Guru Theja – 19BCD7034

M. Vyshnavi – 19BCE7418

Date: 14/03/2002

Library Management System

Detailed analysis of Problem:

Project Overview:

A Library Management System is one of the important software that is used to keep up the task of a library. The main sight of our project, library management system is to provide instant and accurate data regarding any type of book according to the student needs, thereby saving a lot of time and effort. In this design we are going have two integral parts i.e., Admin login for librarians and User login for Users. In the Admin login after the admin has logged into his account using his login details he can add/drop/delete books/authors/category according to the requirements. He can also issue the book to the user and update the details depending on the status of the user (i.e., weather he has returned the book or not). Now in the User login the user has to register himself/herself in the portal if he hasn't had any account in it. Once the registration is done, he/she will get a user Id. Using the user id, he/she can login into the portal and can access their details (i.e. when to return the book, no of books issued etc).

Why Computerized?

Since it very difficult for the librarian and the user to keep the track of books, return date, issued date etc manually which may lead to some of the disadvantages like Time Constraint, Human error, Updating the counts etc, so in order to reduce these disadvantages and make this work much simpler we are developing this software to keep the records of the book and the user details like due date, issued date etc computerized.

Identification of project scope:

- It is a providential interface
- All the users can access their user interface at the same time the admin team can also access the admin portal for updating and managing the user data and book records with ease.

Tasks Involved:

1. user Interface:

- Firstly The user needs to create an account in the software.
- After creation of account, he/she need to use the user id provided and need to login to the user interface.
- Once user login he/she can see the dashboard and the number of books that he/she had issued and number of books that are need to be returned with the due date.

2. Admin Interface:

- The admin needs to login into his portal with the credentials provided to him/her.
- After his login he can see the details of the users like books that are issued by the user and that are need to be returned by the user before the dead line.
- He/she can also update/search the user details depending on the status of the user and even they can add/drop/update the books/categories.