Bansilal Ramnath Agarwal Charitable Trust's
VISHWKARMA INSTITUTE OF INFORMATION TECHNOLOGY,
PUNE
DEPARTMENT OF COMPUTER ENGINEERING

PROJECT SYNOPSIS

1) Group Id: SE-COMP/18-19/…

STUDENTs: 1) RUTUJA CHAUDHARY - 223008
2) PRAJWAL DABHADE - 223012
3) PRATHMESH GAIKWAD - 223019
4) OMKAR DHAIGUDE - 223015

2) Project Title: Library Management System using Java

3) Project Option: In-House

4) Internal Guide: Mrs. Disha Wankhede

5) Sponsorship and External Guide: Self

6) Technical Keywords (As per ACM Keywords):
   a. Log In & Sign Up
   b. Java

7) Problem Statement:

Create an enterprise resource planning system for a library, used for storing details of a large number of books, magazines, journals,

thesis and allow for add, search, borrow, return facilities separately to administrator/Librarian, staff and students.

8) Abstract:

Library Management System is a software application useful for librarians in any educational institution for management and handling of typical operations in the library. It manages data through computerized system in a database which eradicates the tediousness in searching a particular book in the entire library. This project is about managing and planning the library use. We can enter the record of new books and retrieve the details of books available in the library. We can issue the books and maintain the records of it and can also check how many books are issued and stock available in the library. In this project, we can maintain the late fine of students who returns the issued books after the due date. Users will first log-in/sign-up using their details and all books that they issued will be there as a record from the database and there will be return details for the issued book.

Features:
- Add, modify and delete book details into the database.
- Search feature for finding book availability in library stock.
- Add students records upon issue of a book.
- Record issue date, return date, and fine (penalty).

9) Goals and Objectives:

- acquisitions (ordering, receiving, and invoicing materials)
- cataloging (classifying and indexing materials)

- circulation (lending materials to patrons and receiving them back)
- serials (tracking magazine, journals, and newspaper holdings)
- online public access catalogue (public user interface)

This system can fulfill the following objectives:

- User-friendly interface
- Fast access to database
- More storage capacity
- Search facility

All the manual difficulties in managing the library have been rectified by implementing computerization.