**Library Managament System**

**A PROJECT REPORT**

**Submitted to**



**Noble Universisty, Junagadh**

**for the Partial requirement fullfillment in**

**Bachlor of Computer Application**

**sem-4**

**Prepared by**

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Certificate

This is to certify that the Project report entitled **LIBRARY MANAGEMENT SYSTEM** is a

Bonafidev Record of research work done by **Mr.Ayush Donga** Enrollment No.:**220431038**  and

**Mr.Aansh Karkar** Enrollment No.:**220431086**  under my supervisionqa and submitted to Noble University in partial fulfillment for BACHELOR OF COMPUTER APPLICATIONS (BCA) SEMESTER 4.

Signature of the Guide

Designation:

Acknowledgment

Being a student this was really a big task for us to make a project. I/We is/are very thankful to all those who helped us in preparing this project. I/We have been fortune for getting the guidance and kind help from our professor

**Khushbu Sama**.

I/We are especially thanks to our Dean and project guide for providing us such a nice platform for the project it is our great pleasure that for providing the chance for the project in Python and MYSQL. I/We is/are thankful for these

suggestions. I/We is/are heartily thankful to them.

Student Name: Donga Ayush,Karkar Ansh

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Program: BCA

**Table of Contect**

|  |  |  |
| --- | --- | --- |
| **Sr no.** | **Description** | **Page no.** |
| 1. | Introduction | 2 |
| 1.1 Student Profile  1.2 Project Profile | | 3 |
| 4 |
| 2. | System Snapshots | 5 |
| 3. | Limitation of Project | 9 |
| 4. | Future scope of the project | 10 |
| 5. | Bibliography | 11 |

**1. INTRODUCTION**

# 1.Introduction

# Library Management Sytem is a Python Based Project or System.Here, We have used Python Tkinter technology which is one type of framework.This System is used for a manage a Library. This system has some features.and system provides fecilites for manage the library.we can store our library data of books data or save the details of user whom we issue book.and we can show our stored records.There are separate tkinter window for specific tas.such as,add books or delete books from library and return a book which we issue to user.we have used MYSQL Database technology as backend technology for store the data.

# 

**1.1 Student Profile**

**Team Size:**2

**Member 1. Details :**

Name **:**Donga Ayush P.

Enrollment No **:**220431038

**Member 2. Details :**

Name :karkar Ansh v.

Enrollment No **:**220431086

**Course :**B.C.A

**Academic Year :**2024-2025

Sem:4th

**1.2 Project Profile**

**Project Title :**Library Management System

**Developd BY :**Donga Ayush[220431038]

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**Guidence BY :**Prof.Khushbu Sama

[Faculty Of Computer Application Noble University-Junagadh]

**SEM –4th YEAR—2nd**

**Techonology :**Python,MYSQL

# Platform :Windows

# 2. System Snapshots

# 1.Main Window:

# 

# Description:

# This is main window of the syatem.here there are all functionalities of all over system also.here there are all seperate buttonsall specific task or work.sucha as, issue book to the show the data of user user and show the data of issued books and delete or return a book and add a new book into the library book storage.and show the data of book from library store.

# 2.Show Data Window:

# 

# Description:

# This window is open onclick of the SHOW DATA button then the window is open and then we can show the data into treeview.we have just entrer user id and click on button “SHOW DATA” abd data is display automatically on display from database.Here,It is also scrollbar is Horizontal avilabe for scrool tth data of rows horizontly also.

# 3.Delete Data Window:

# 

# Description:

# This window is open onclick of the DELETE DATA button then the window is open and then we can delete user and books of library data from database.we have just entrer user id and click on button “DELETE DATA” abd data is automatically delete from database.

# 4.Book Return Window:

# 

# Description:

# This window is open onclick of the RETURN DATA button then the window is open and then we can return the books from user,means when the user is come to give a book return then we can cahnges in our data that this book is return or not.we have just entrer user id and click on button “RETURN BOOK” abd data of issued book or user is automatically delete from database.

**3.Limitations of Project**

* Here,we have used MYSQL database for store the data of users and books,But If we we will have require store data in different forms then It can creates difficulties in future.
* As,we know the size of dtabase is incrise DAY-BY-DAY so we have many difficulty for Data-Backup.
* This system is not perfect or ready for used, becaause It is just used for pratice por skill developmenmt also.

**4.Future Scope of Project**

* Here, we have used table based database but in future we will have used different or advances database in which we can
* We will add other technology or fecilities of python and add web-based framework using python djnago web framework.
* In Future we will enalys the system and make possible changes in te system.

**5. Bibliography of Project**

**BOOKS :**

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