

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI**



**B.M.S. INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
Yelahanka, BENGALURU-560064

**2021-2022**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



*A Mini Project Report on*

**“LIBRARY DUE REMINDER”**

*Submitted in the partial fulfillment for the requirements for the conferment of degree of*

**BACHELOR OF ENGINEERING**

*In*

**COMPUTER SCIENCE AND ENGINEERING**

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# **B.M.S INSTITUTE OF TECHNOLOGY & MANAGEMENT**

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## **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**



### **CERTIFICATE**

This is to certify that the Mini Project work entitled “**library due reminder**” is a bonafide work carried out by **Mr. Pratham H Sunnal(1BY19CS109)** and **Mr.Prajodh Pragath Sunder(1BY9CS104)** in partial fulfillment for the award of **Bachelor of Engineering Degree in Computer-Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in this report. The Mini project report has been approved as it satisfies the academic requirements in respect of project work for the B.E Degree.

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**Signature with Date**

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# ABSTRACT

The aim of the project is to develop a system capable of reminding students of the book's they have to give back to the library without being victim of a fine. Our project also aims on allowing the users to add books so that they can have a database of the books they have taken in any point in time.

Library fines, also known as overdue fines, late fees, or overdue fees, are small daily or weekly fees that libraries in many countries charge borrowers after a book or other borrowed item is kept past its due date. Library fines are an enforcement mechanism designed to ensure that library books are returned within a certain period of time and to provide increasing penalties for late items. Library fines do not typically accumulate over years or decades. Fines are usually assessed for only a few days or months, until a pre-set limit is reached.

Library fines are a small percentage of overall library budgets, but lost, stolen or unreturned library books can be costly for various levels of government that fund.

Task of my project is to create a website using html,css and javascript where the users can signup and login which will redirect them to the dynamically displayed data along with a menu options to add more books with its due date.The due date is late used in a simple python program to send mails to the users on the day they have to submit the books.

# ACKNOWLEDGEMENT

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Lastly I thank my parents and friends for their encouragement and support given to me in order to finish this precious work.

By,

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# **CONTENTS**

| <b><u>Chapters</u></b>                                | <b><u>Page no</u></b> |
|---|-----------------------|
| Chapter 1: <b>Introduction</b>                        | 01                    |
| Chapter 2: <b>Literature Survey</b>                   | 02                    |
| Chapter 3: <b>Software Requirements Specification</b> | 03                    |
| 3.1 Software Requirements                             |                       |
| 3.2 Hardware Requirements                             |                       |
| Chapter 4: <b>Design</b>                              | 04                    |
| 4.1 Schema Diagram                                    |                       |
| 4.2 Entity-Relationship Diagram                       |                       |
| Chapter 5: <b>Implementation</b>                      | 06                    |
| Chapter 6: <b>Conclusion</b>                          | 09                    |
| Chapter 7: <b>Future Enhancements</b>                 | 10                    |
| Chapter 8 : <b>References</b>                         | 11                    |

# CHAPTER 1:

## INTRODUCTION

Lets define the keywords in our title to better understand our project. Libaray is a building or room containing collections of books, periodicals, and sometimes films and recorded music for use or borrowing by the public or the members of an institution.

The word due has to do with deadlines and things that are owed for example when you're time is up on a library book. reminder is a thing that causes someone to remember something.

the definitions brings together the concept of the whole project which is to helps students to not endup having library dues by reminding them the day prior about the books they should give back. There by being an useful tool by helping students.

## CHAPTER 2:

### LITERATURE SURVEY

A study investigated overdue returns at the BRAC University library, Bangladesh, focusing on the reasons why users returned their books late; students' satisfaction with the current overdue policies; and suggested improvements to the overdue procedures. The study was carried out using a quantitative methodology. Structured questionnaires were distributed to the students and data was collected over a period of 60 days between March and April 2019. Of the 300 questionnaires distributed, 258 were returned, with a response rate of 86%. The primary reasons for users' late return of books were forgetfulness and not completing the task required from the book. It is a positive fact of the study that, most students did not show unwillingness to use the library again after fine had been imposed for a late return; a large number of them managed to pay the fine out of their pocket money. The library's current policies were considered to be satisfactory. The students considered them to be a form of discipline, which made them return items at the appointed time

## **CHAPTER 3:**

# **SOFTWARE REQUIREMENTS SPECIFICATION**

### **3.1 Software Requirements**

- Install python version 3
- Import Django framework
- Import smtp modules
- Install postgresql application
- Import pyscopg2 modules

### **3.2 Hardware Requirements**

- i3 intel processor / ryzen 3 processor
- 4 gb ram
- 256 GB SSD/HD
- 1 Gbit network adapter/wifi connection



## CHAPTER 4:

## DESIGN

### 4.1 Schema Diagram

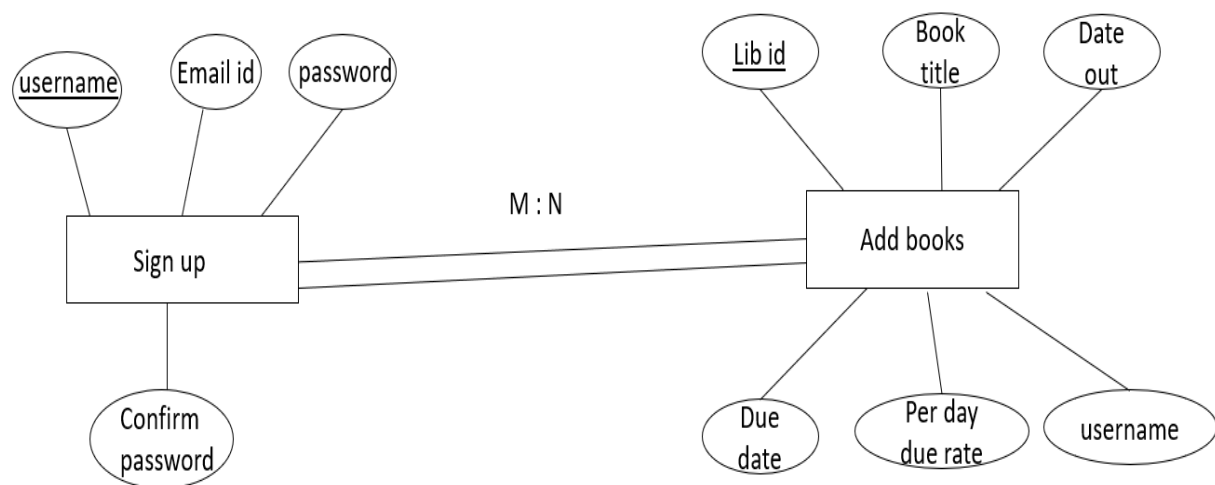
signup

|                 |          |          |                  |
|-----------------|----------|----------|------------------|
| <u>username</u> | Email id | password | Confirm password |
|-----------------|----------|----------|------------------|

Add books

|                   |            |          |          |                  |          |
|-------------------|------------|----------|----------|------------------|----------|
| <u>library id</u> | Book title | Date out | Due date | Per day due date | username |
|-------------------|------------|----------|----------|------------------|----------|

## 4.1 Entity–Relationship Diagram



## CHAPTER 5:

# IMPLEMENTATION

- Use web development tools like html to create the general sturture of the website
- Use css to style the website to give it life
- Use javascript to provide it certain functionalities
- Add the above html,css and javascript files into a folder in Django
- Use Django along with postgresql to create a database for the website and link it to the forms
- Use the database value to create a python program to send reminder emails to the users



LIBRARY FINE REMINDER

MENU

SIGNUP

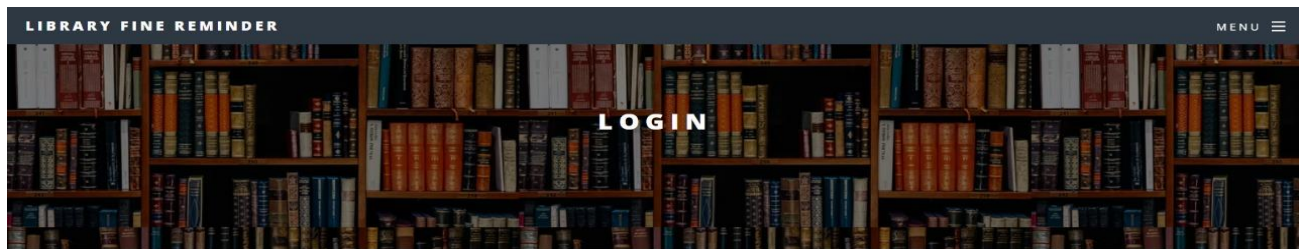
username

email

password

confirm password

REGISTER



prajoth

....

SUBMIT



BOOKS

MENU

| Library ID | Book title | Due Date      | due |
|------------|------------|---------------|-----|
| 123        | laksdfn    | Jan. 25, 2021 | 23  |

LIBRARY FINE REMINDER

MENU

## ADD BOOK

username

library id

book title

Date Out:

Due Date:

## **CHAPTER 6:**

### **CONCLUSION**

In academic libraries, the obligation to pay a fine for overdue books is a common global phenomenon. As university libraries try to meet the growing expectations of their users with limited resources, it is important to ensure that the existing collection is available in circulation.

In a nutshell the our website facilitates students or anyone who borrows books to keep track of it and give it back on time.

## **CHAPTER 7:**

### **FUTURE ENHANCEMENTS**

- Allow user to edit the database
- Allow users to remove books
- Improve the emails format
- Improve the user interface
- Allow users to be able to track the dues in case of not meeting deadlines

## CHAPTER 8:

### REFERENCES

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