**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**



***Mini Project Report on***

**VOICE BASED LIBRARY MANAGEMENT SYSTEM**

**BACHELOR OF ENGINEERING**

**in**

**INFORMATION SCIENCE AND ENGINEERING**

**by**

### Name USN

Raghavendra K M 1BY18IS093

Sanjana Gajanana Shetty 1BY18IS104

*Under the Guidance of*

Dr. Drakshaveni G

Associate Professor, Dept of MCA

BMSIT&M



**BMS INSTITUTE OF TECHNOLOGY& MANAGEMENT**

BENGALURU-560064 2020-21

### BMS INSTITUTE OF TECHNOLOGY& MANAGEMENT

#### YELAHANKA,BENGALURU-560064

**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**



**CERTIFICATE**

This is to certify that the DBMS Mini Project entitled “**VOICE BASED LIBRARY MANAGEMENT SYSTEM**” is a bonafide work carried out by **Mr. Raghavendra K M (1BY18IS093), Ms. Sanjana Gajanana Shetty (1BY18IS104)** during the academic year 2020-21. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library.

|  |  |  |
| --- | --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Signature of the guide  Dr. Drakshaveni G |  | Signature of the HOD  Dr. Pushpa S K |

**ABSTRACT**

As the number of books in a library increases, the workload on the librarians to maintain the valuable books also increases. Not just for the library admins, the burden of searching books is also faced by students and faculty. There are various problems also faced by the student in the library such as finding any particular book, information whether book is available or not, for what time this book will be available, searching for books using ISBN number etc. To eliminate this manual system, a computerised library management system has been proposed.

The digitalised library management system will have features like:

1. Easy updation of the database whenever a student borrows a book or returns a book .
2. A voice-based search system which can help students as well as faculty in searching for the books.
3. Categorisation of books in genres based on title.
4. Information about validity period of the issued book.

(i)

# ACKNOWLEDGEMENT

We heartily thank our Principal Dr. Mohan Babu G N, BMS Institute of technology and Management for his constant encouragement and Inspiration in doing the project.

We heartily thank our Head of the Department Dr. Pushpa S K, Dept of Information Science and Engineering, BMS Institute of technology and Management for her constant encouragement and Inspiration in doing the project.

We heartily thank our project coordinator, Prof. Shwetha M S, Professor, Dept. of Information Science and Engineering, for her constant follow-up and advice throughout the project work.

We gracefully thank our project guide Prof. S Mahalakshmi, Assistant Professor, Dept. of Information Science and Engineering for her constant support, guidance and inspiration for the project.

(ii)

# TABLE OF CONTENTS

|  |  |  |
| --- | --- | --- |
| **CHAPTER** | **TOPIC** | **Pg. No.** |
| 1 | Introduction   * 1. Introduction   2. Motivation   3. Objectives | 1-2 |
| 2 | Background   * 1. Introduction   2. Design / Methods   3. Results and Discussions   4. Applications | 3-7 |
| 3 | Conclusion References | 8 |

(iii)

LIBRARY MANAGEMENT SYSTEM INTRODUCTION

## CHAPTER-1

**INTRODUCTION**

* 1. **INRODUCTION**

PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING INTRODUCTION

## MOTIVATION

## OBJECTIVES

PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING BACKGROUND

## CHAPTER-2

**BACKGROUND**

* 1. **INTRODUCTION**

PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING BACKGROUND

## DESIGN / METHODS

PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING BACKGROUND

## RESULTS AND DISCUSSIONS

PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING BACKGROUND

### SCREENSHOTS OF THE RESULTS

PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING BACKGROUND

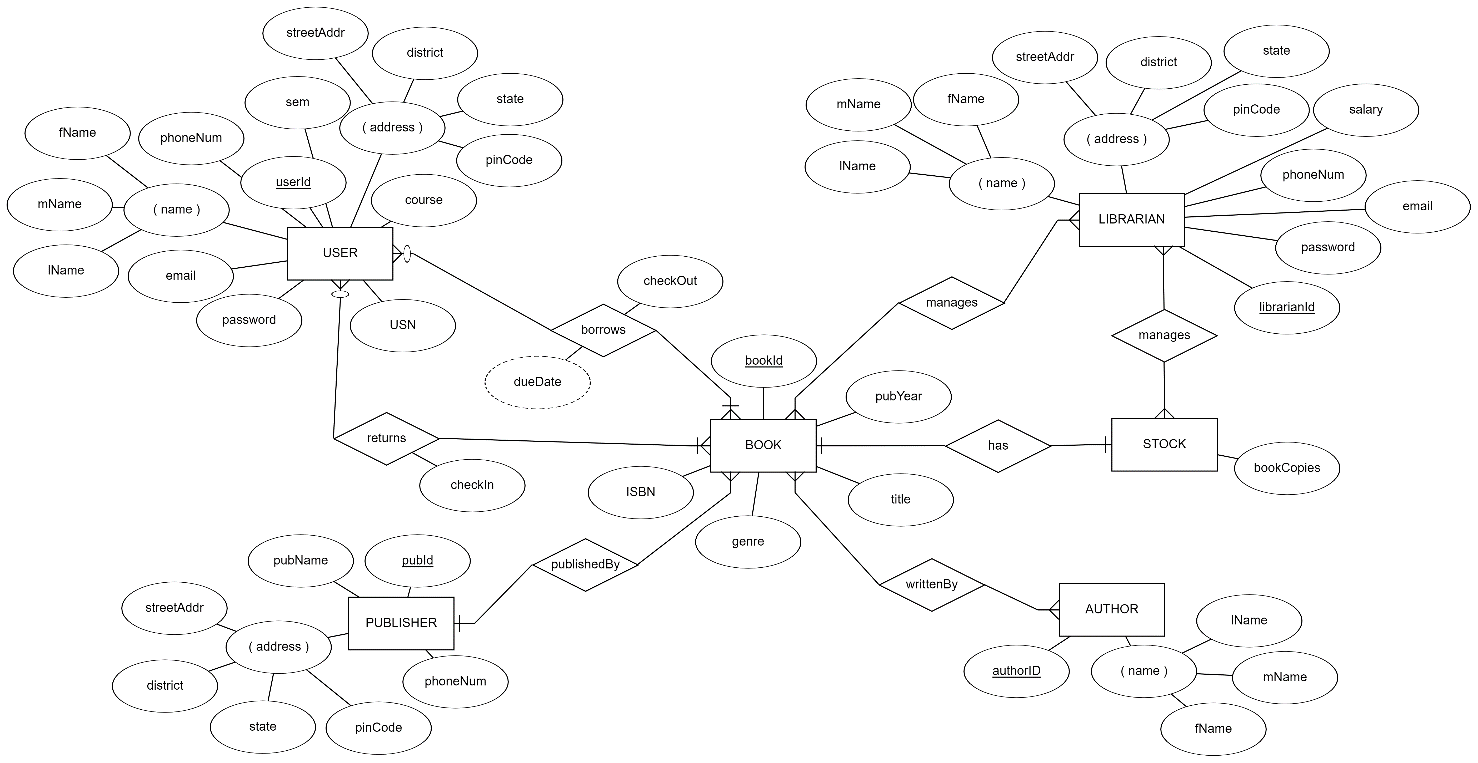
## APPLICATIONS

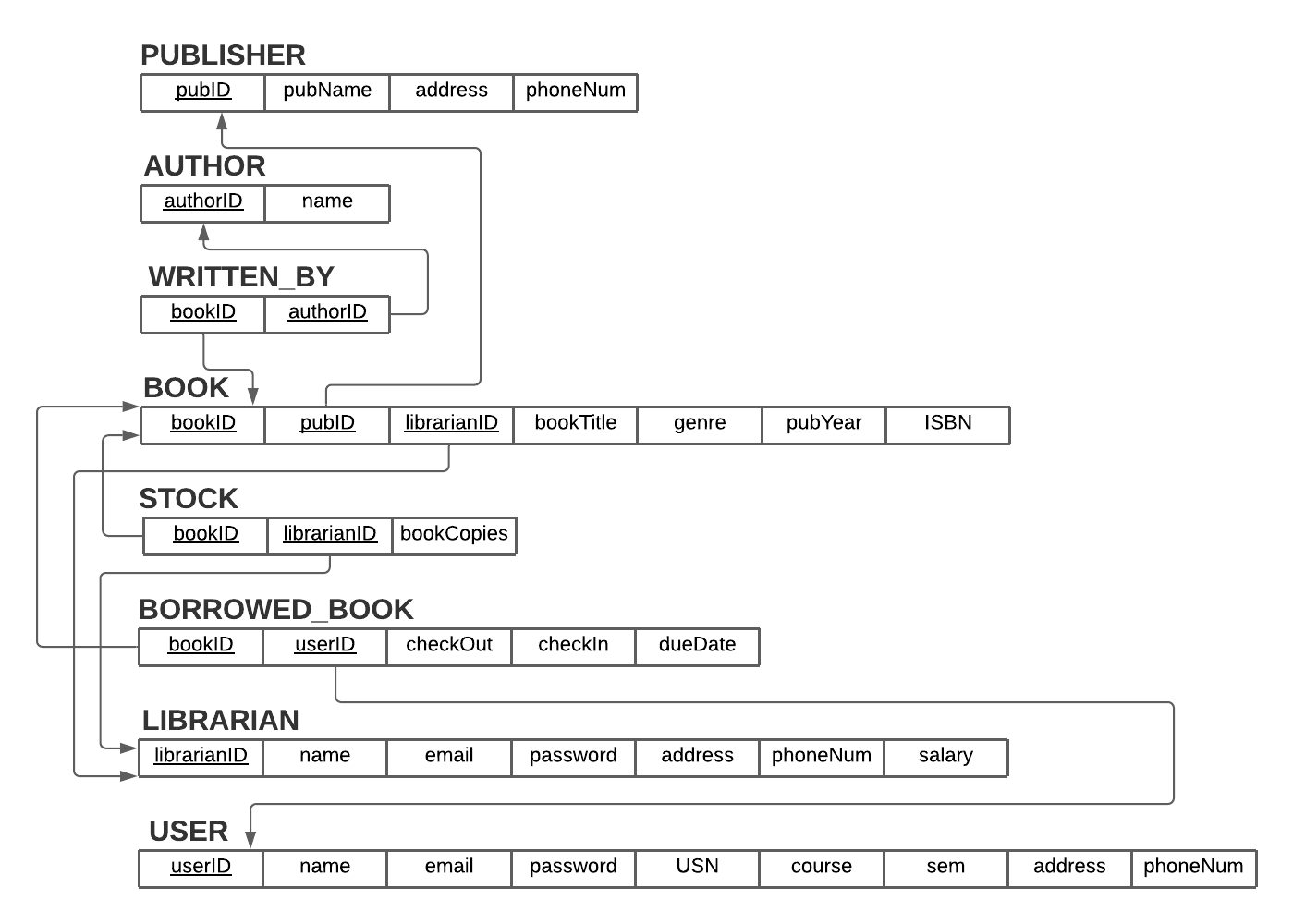
PNEUMONIA DETECTION USING X-RAY IMAGES ON DEEP LEARNING

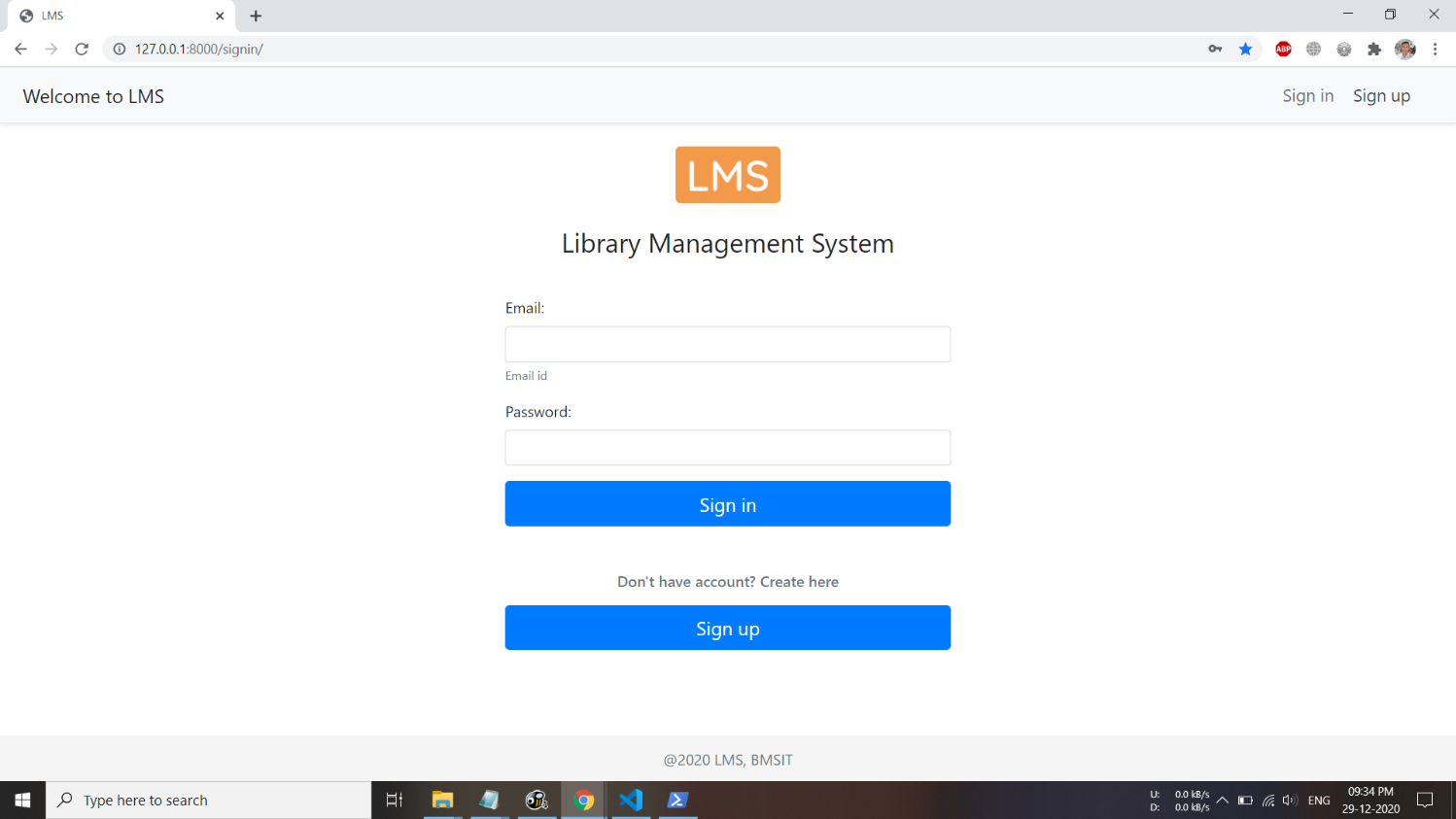
## CHAPTER-3

**CONCLUSION**

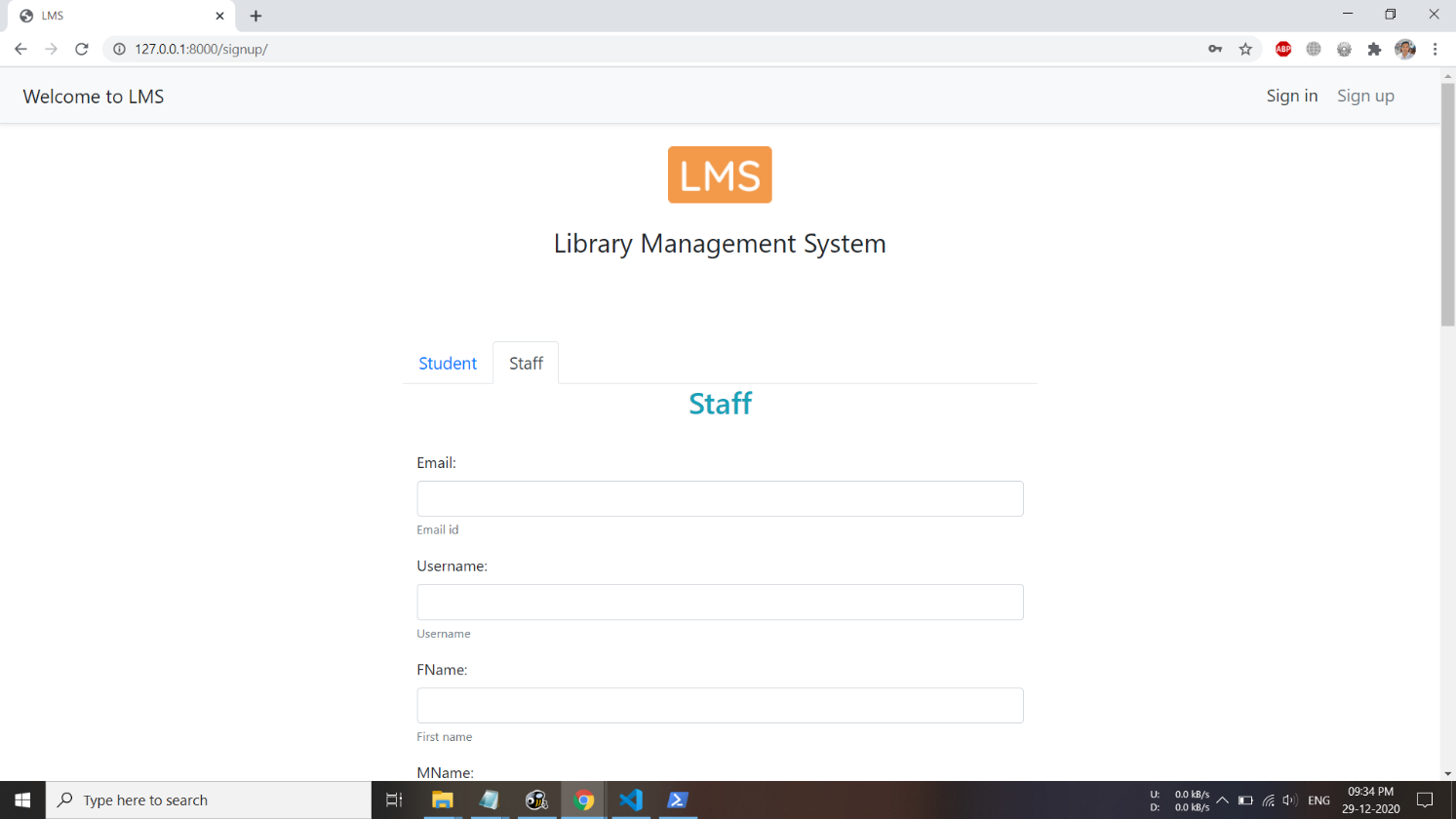
# REFERENCES



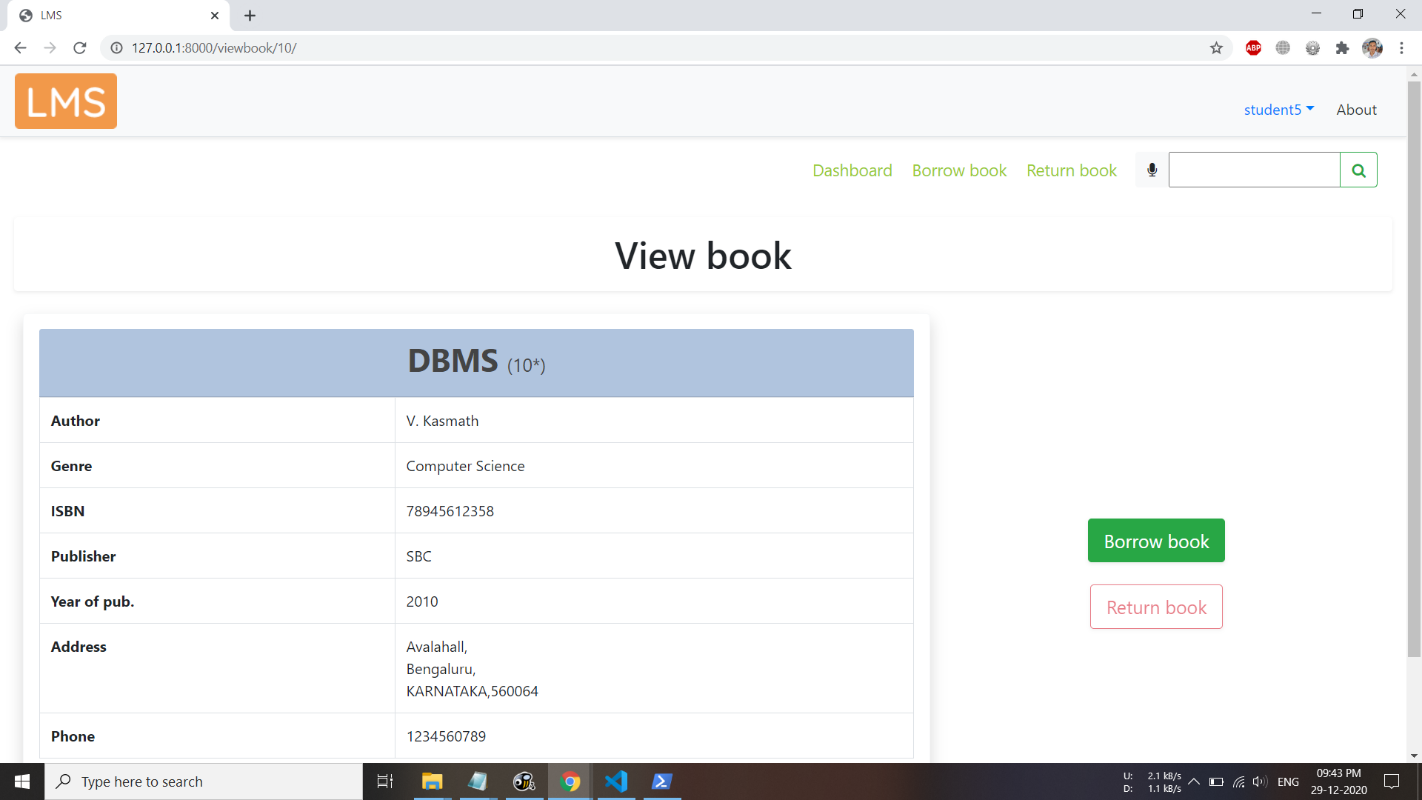




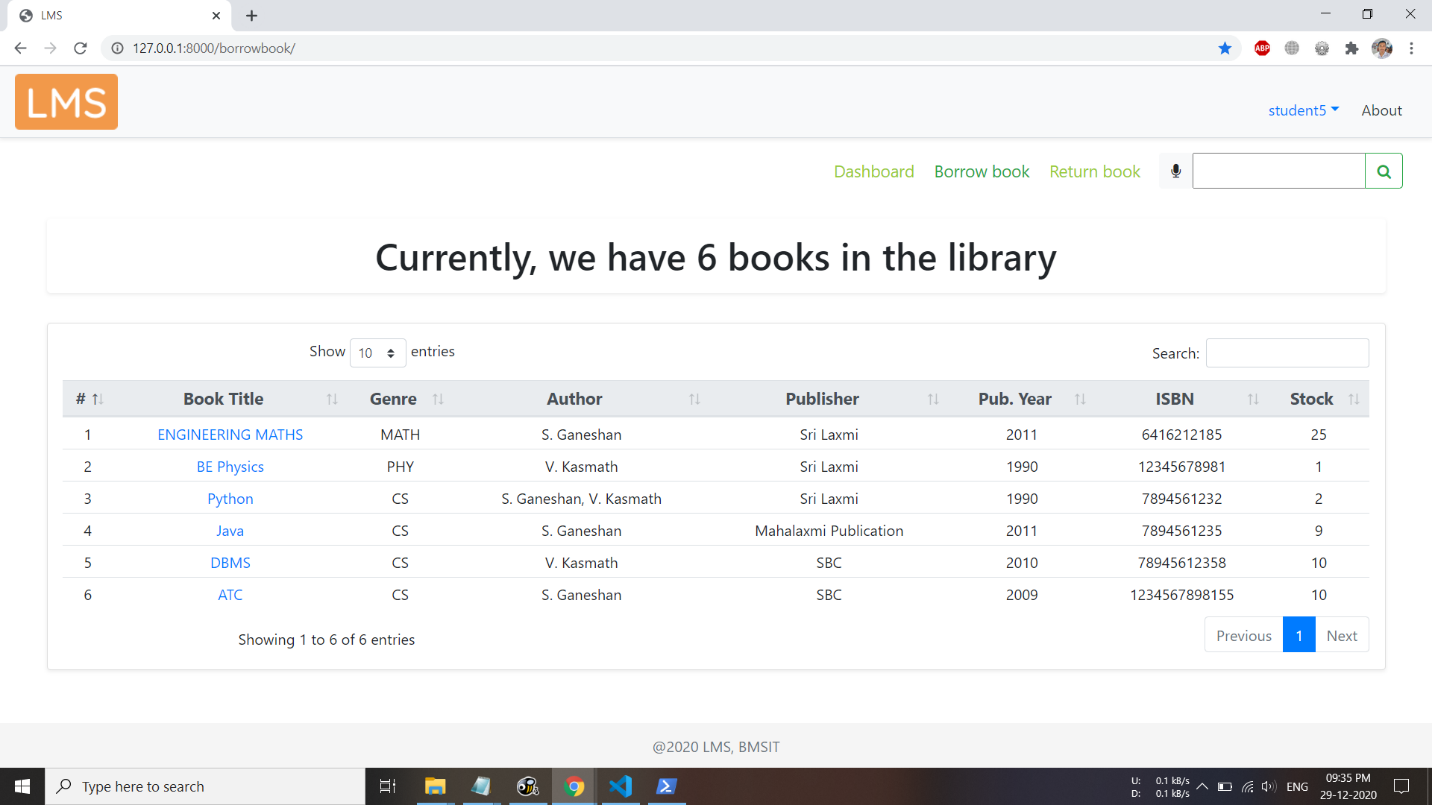
Login Page



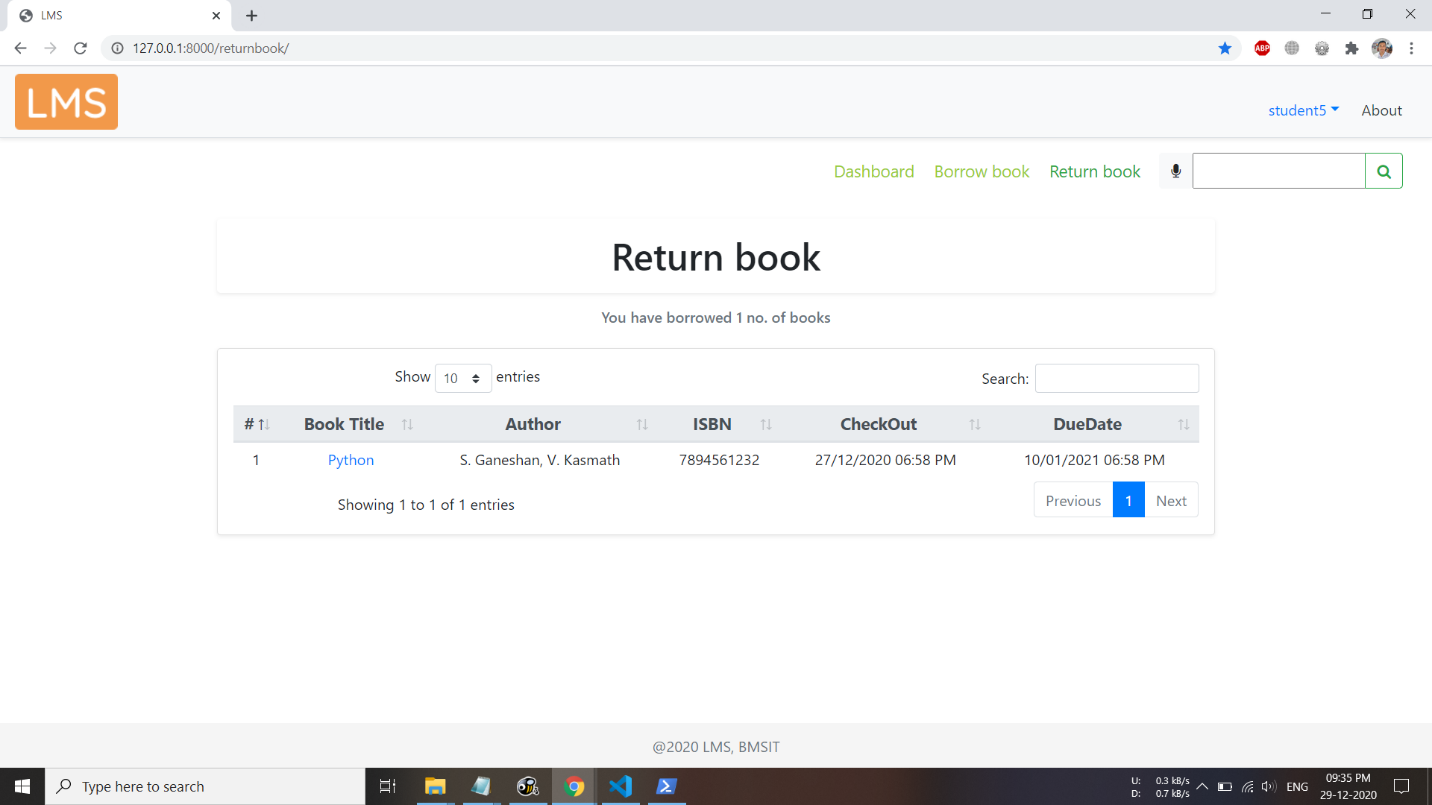
Registration Page



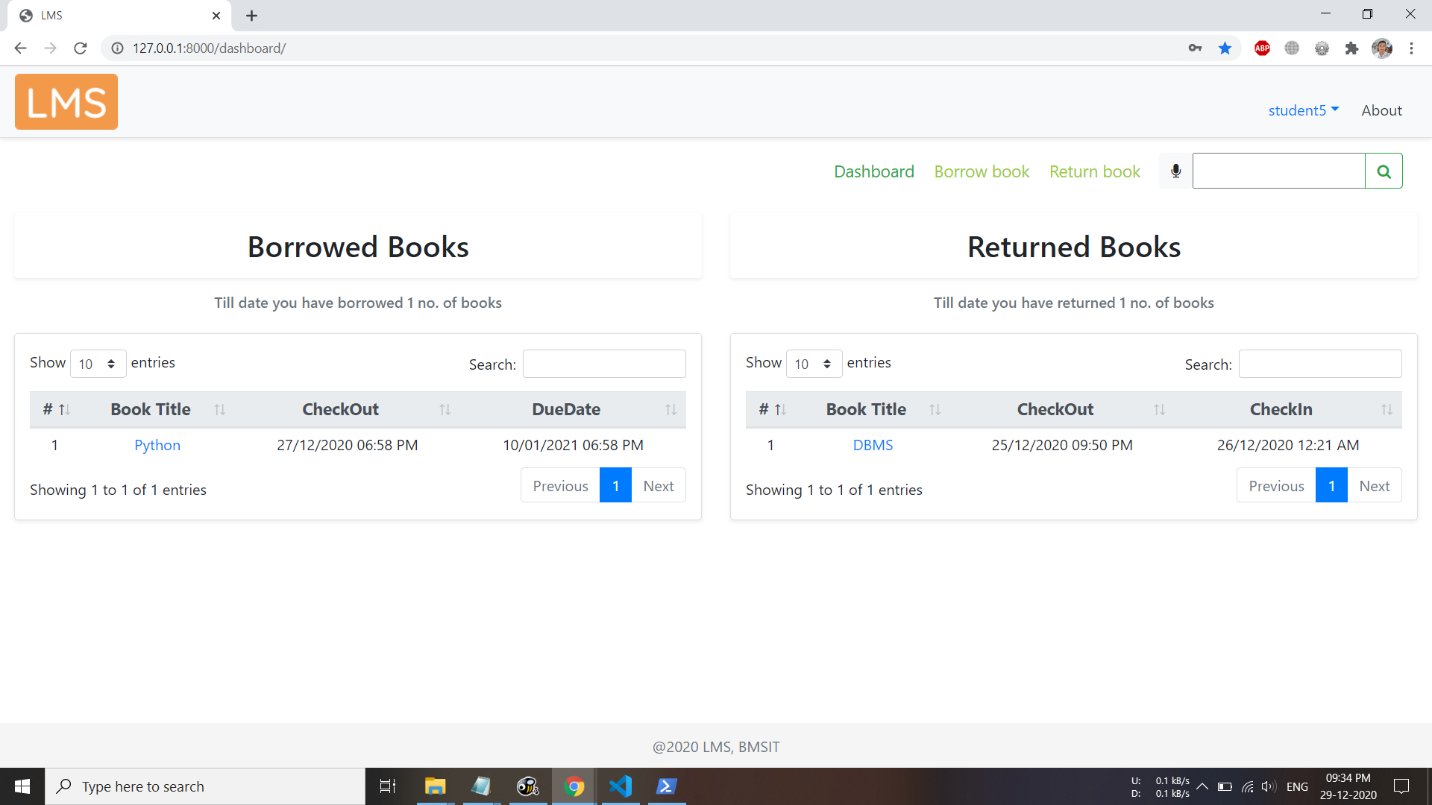
View Book page



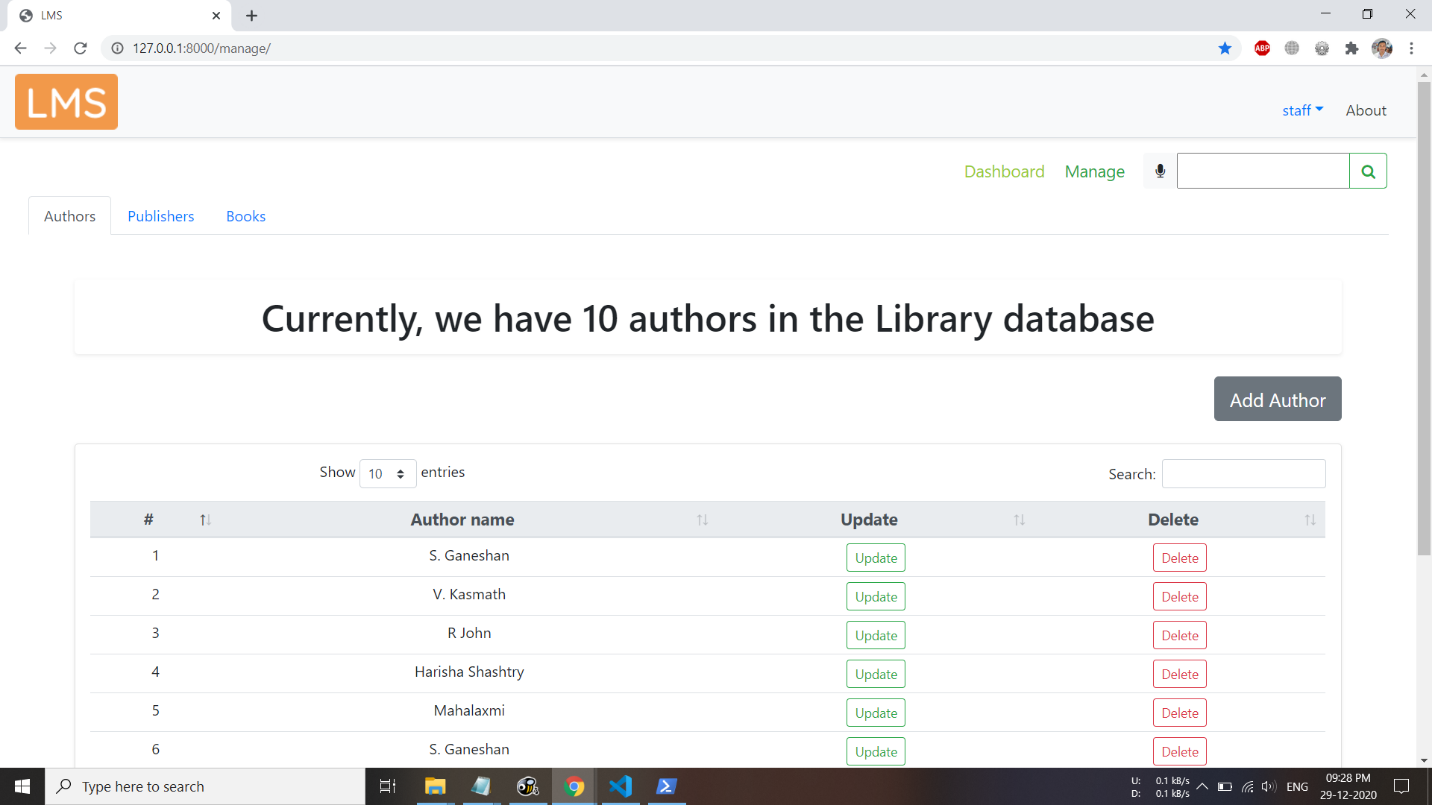
Borrow book page (Student login)



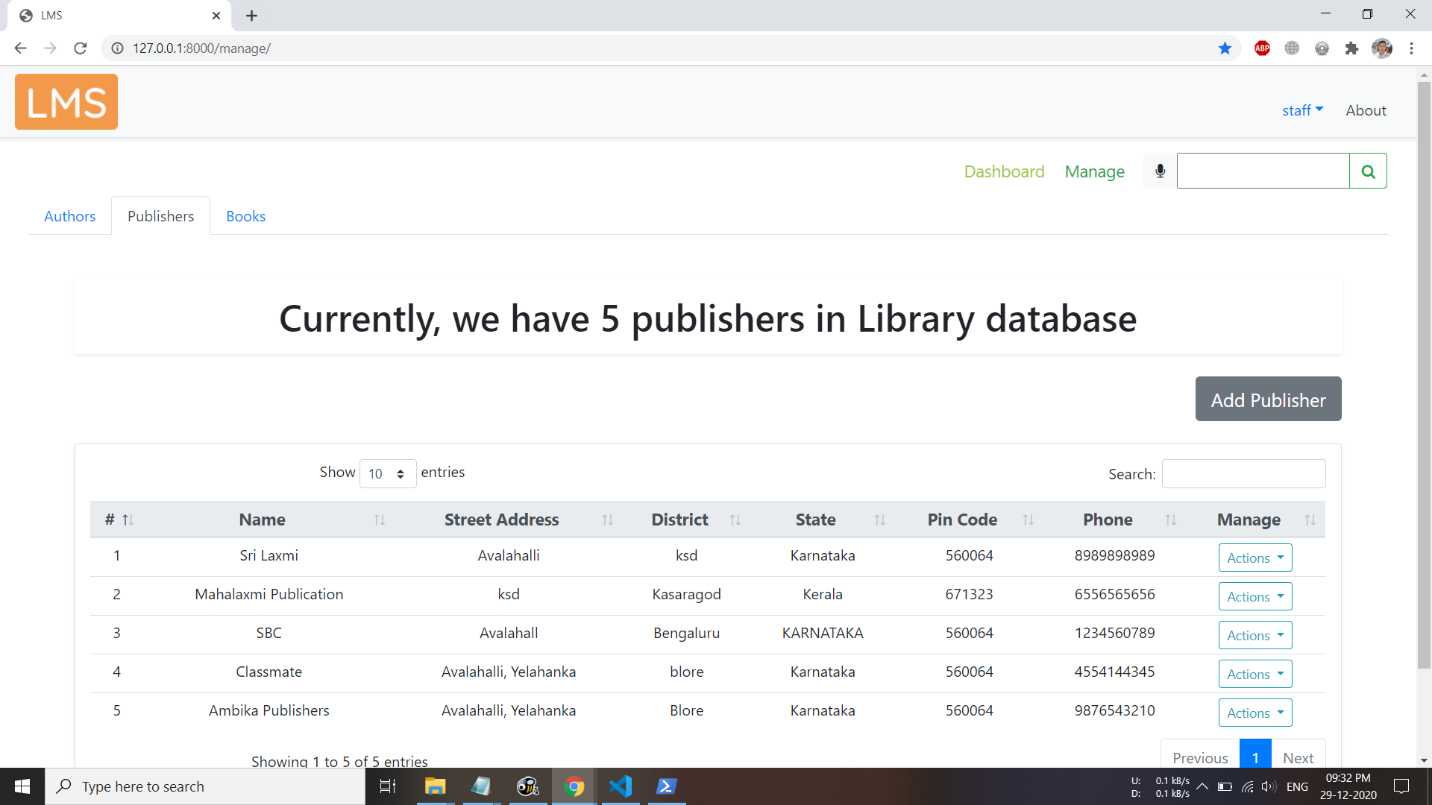
Returm book page (Student login)



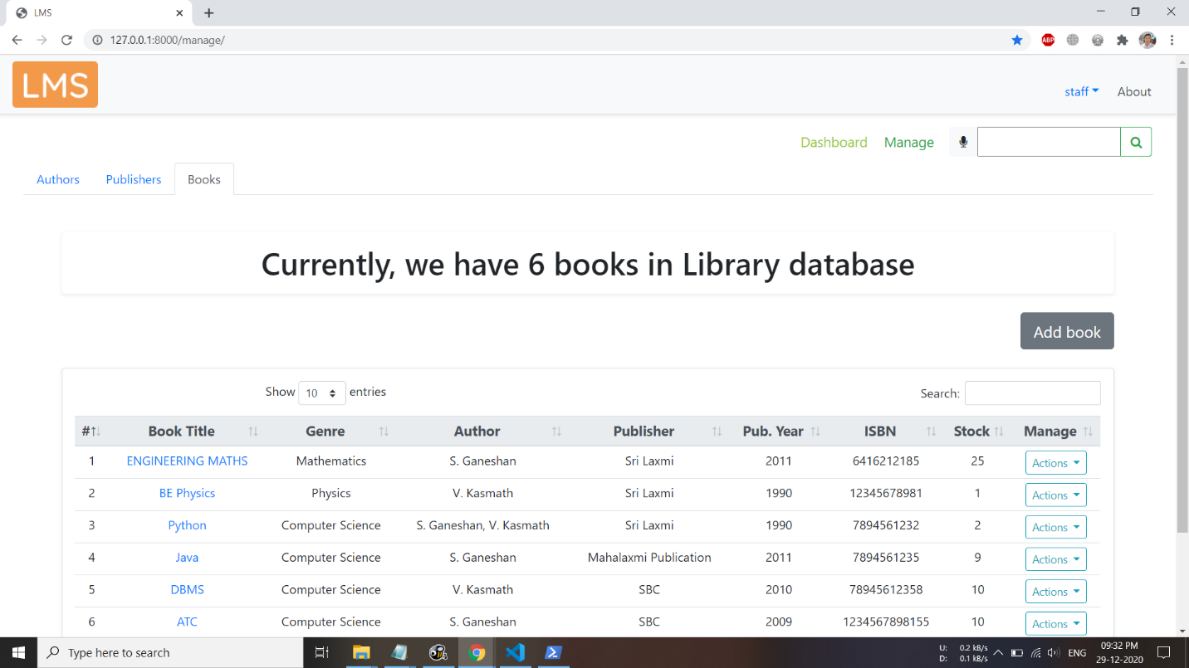
Dashboard page (Student login)



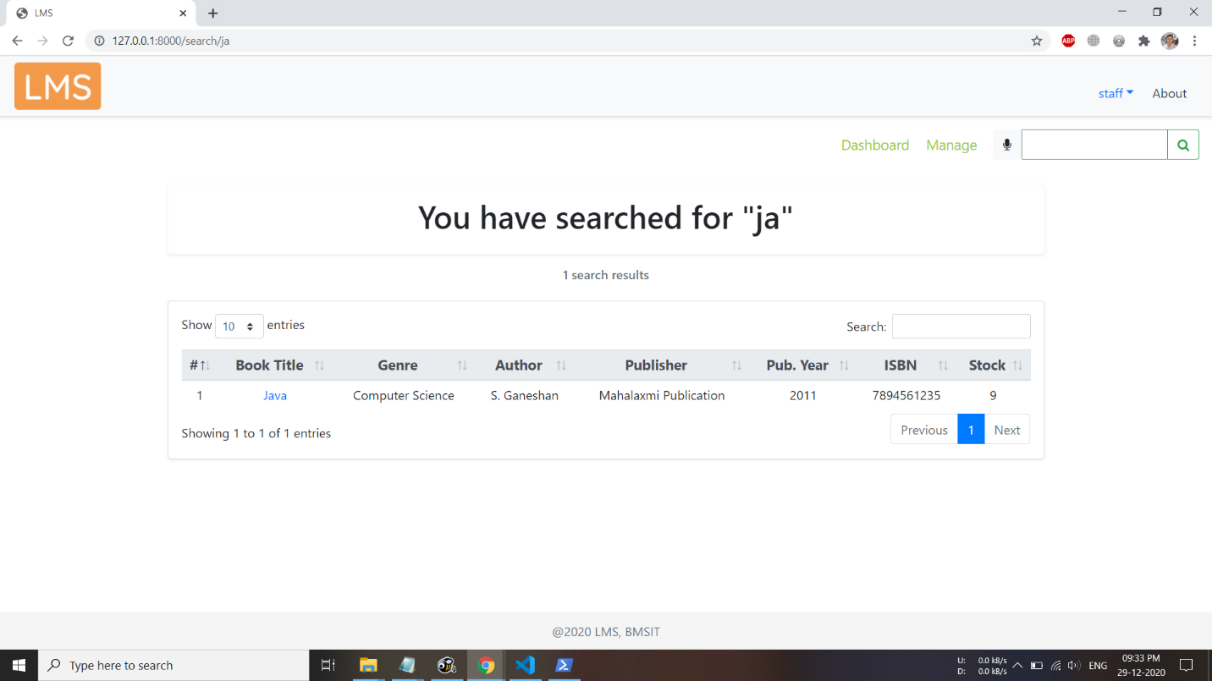
Authors tab in Manage page (Staff login)



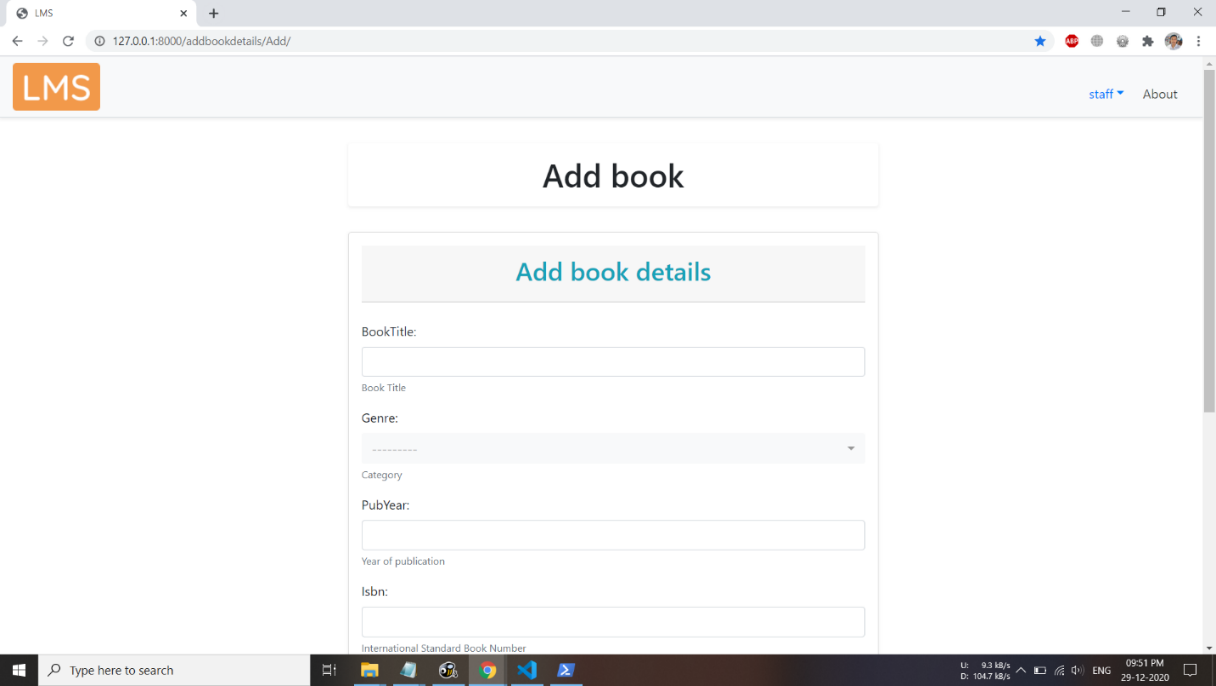
Publishers tab in manage page (Staff login)



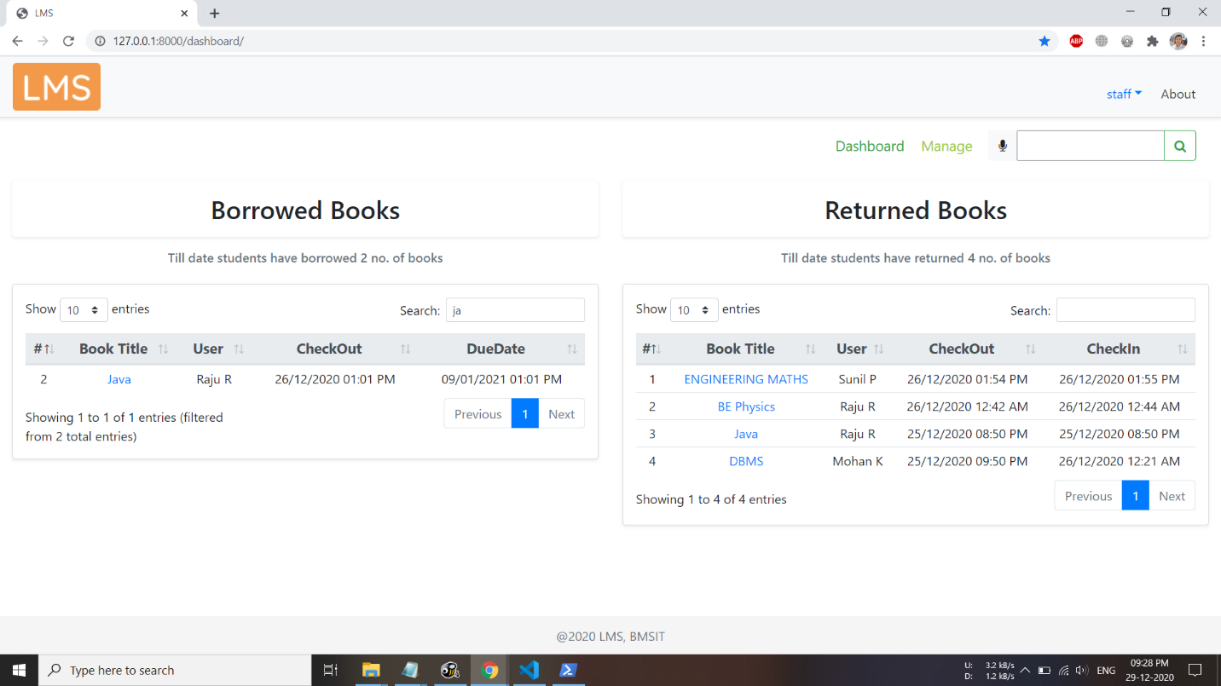
Books tab in manage page (Staff login)



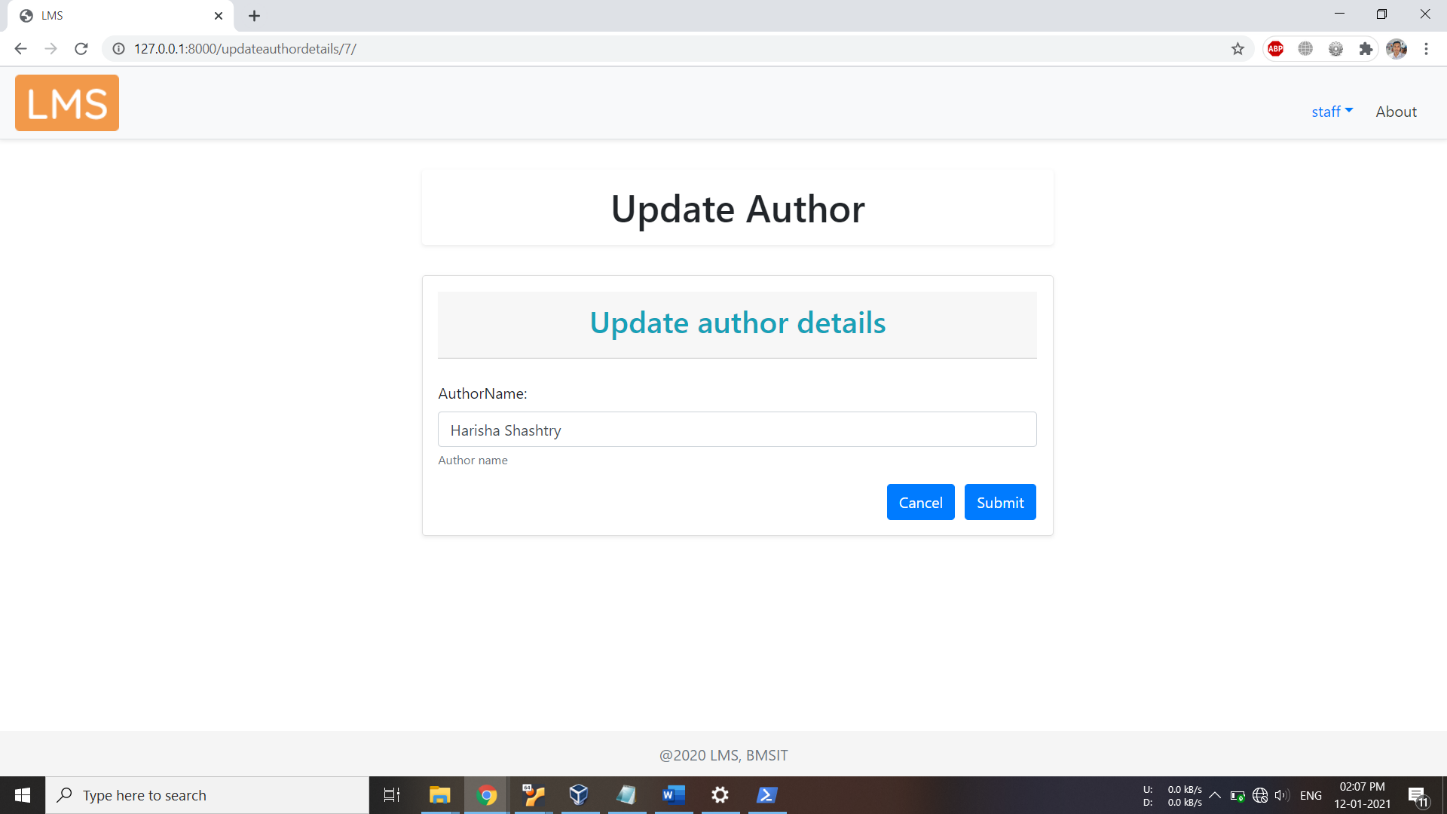
Search Results Page (Here searched for a book with name “ja”)



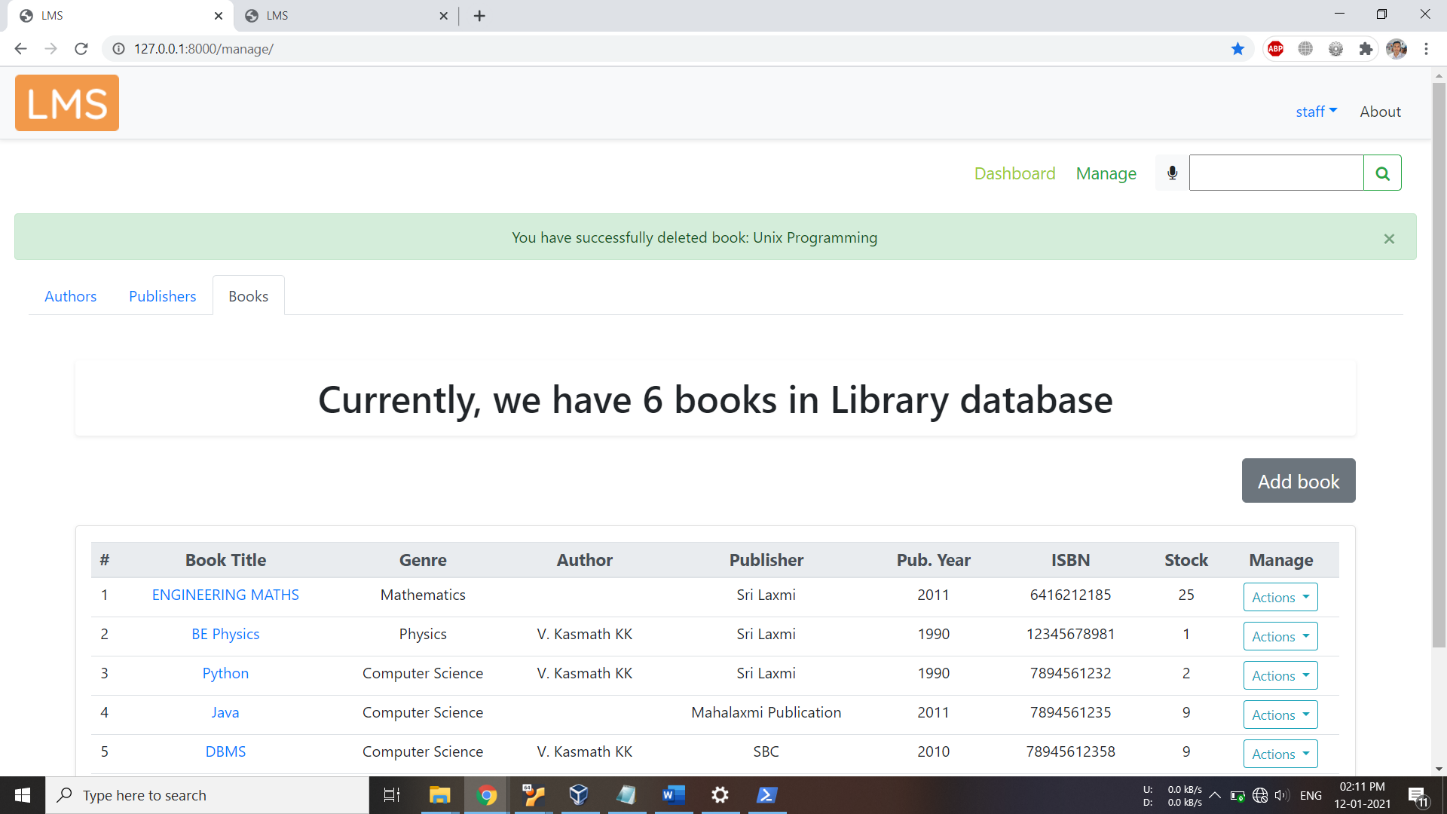
Add book page



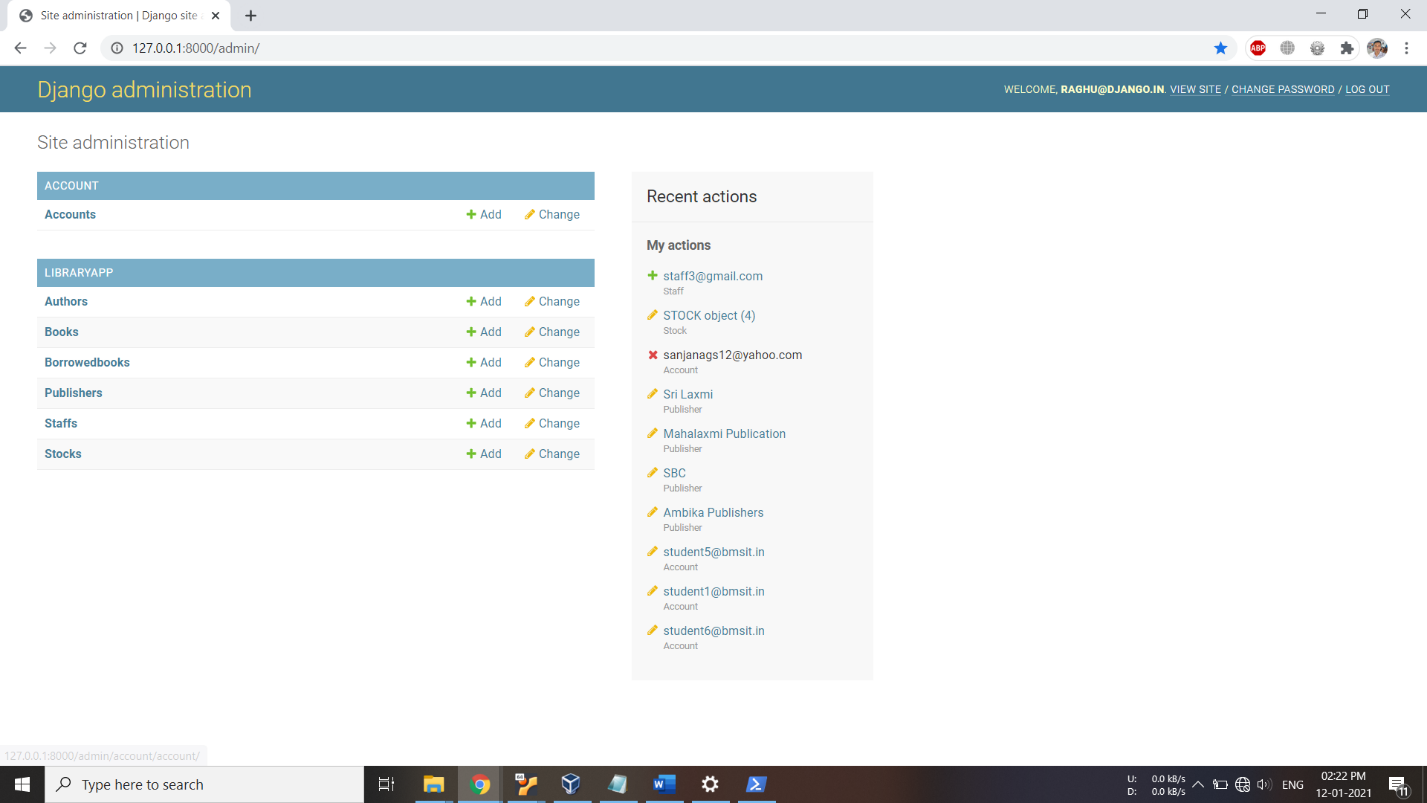
Dashboard page (Staff login)



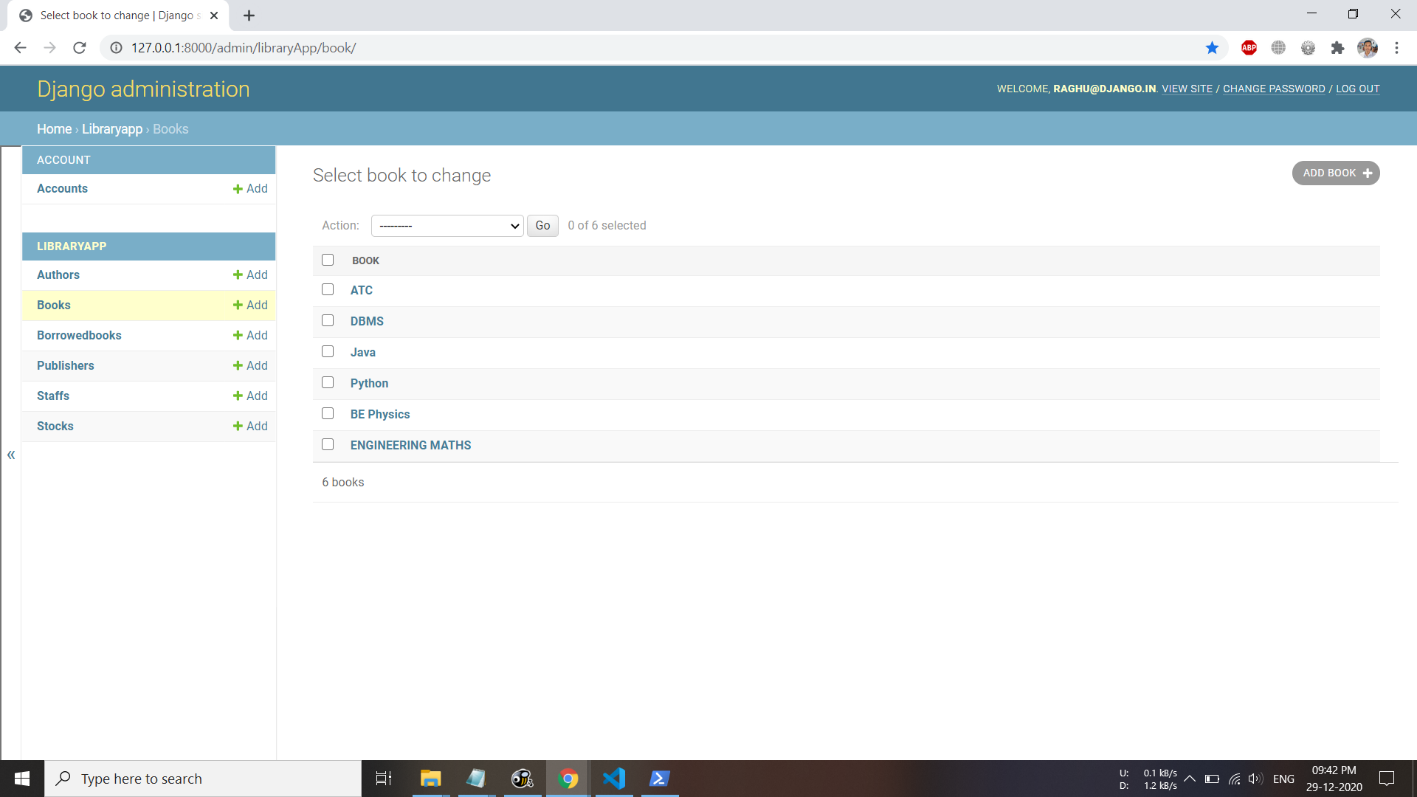
Updated Author Page (Staff Login)



After deletion of a book



Admin Panel



Records in BOOK Table