



# LIBRARIAN BOT

## USER MANUAL

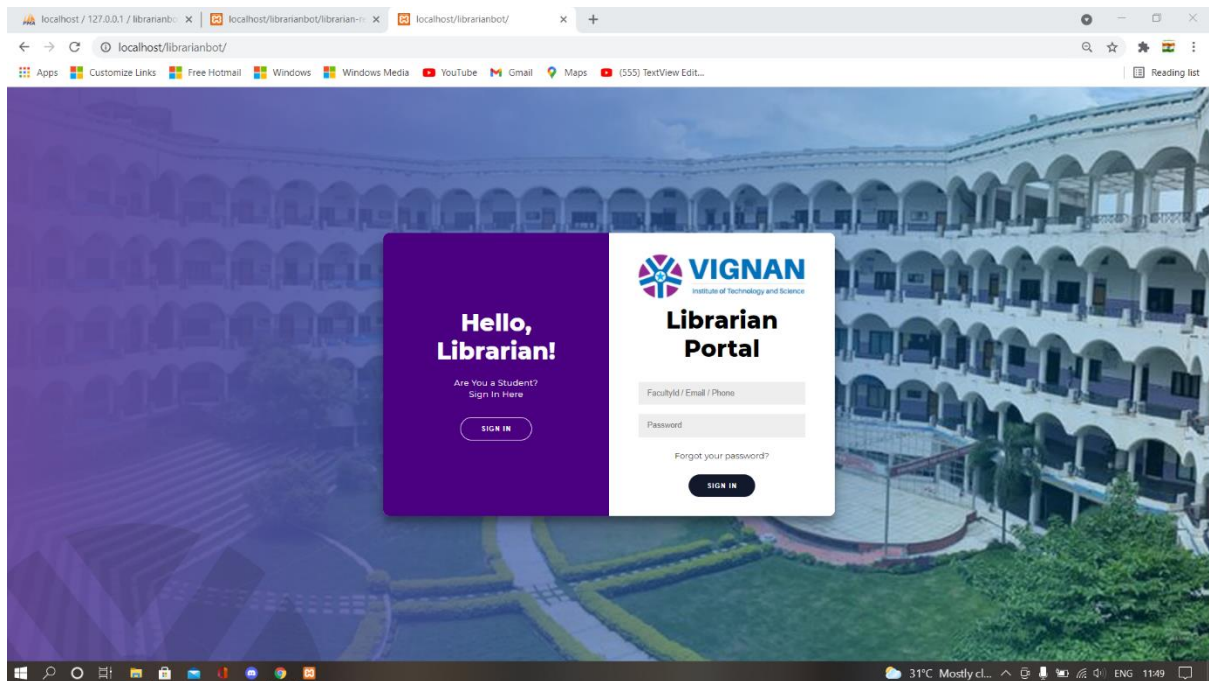
*Polu Tharun Kumar Reddy*  
*K V N S Harsha Vardhan*  
*CH Srinikethan Nydhruva*

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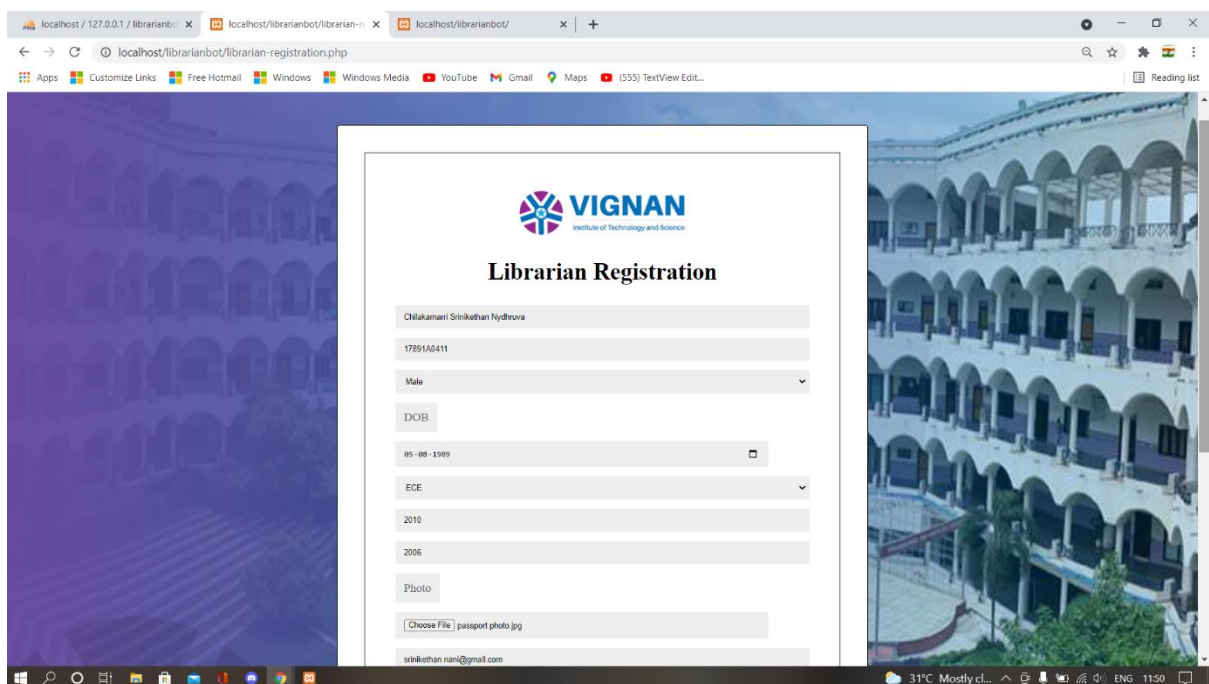
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Welcome to **LIBRARIAN BOT**, Here students can access their respective books custody that they took from the library and librarians can manage the day-to-day transactions with ease.

## LIBRARIAN/ADMIN SIDE



This is the LIBRARIAN BOT web application where we are currently at the librarian side user interface. Here, Librarians can access their accounts and manage the transactions.

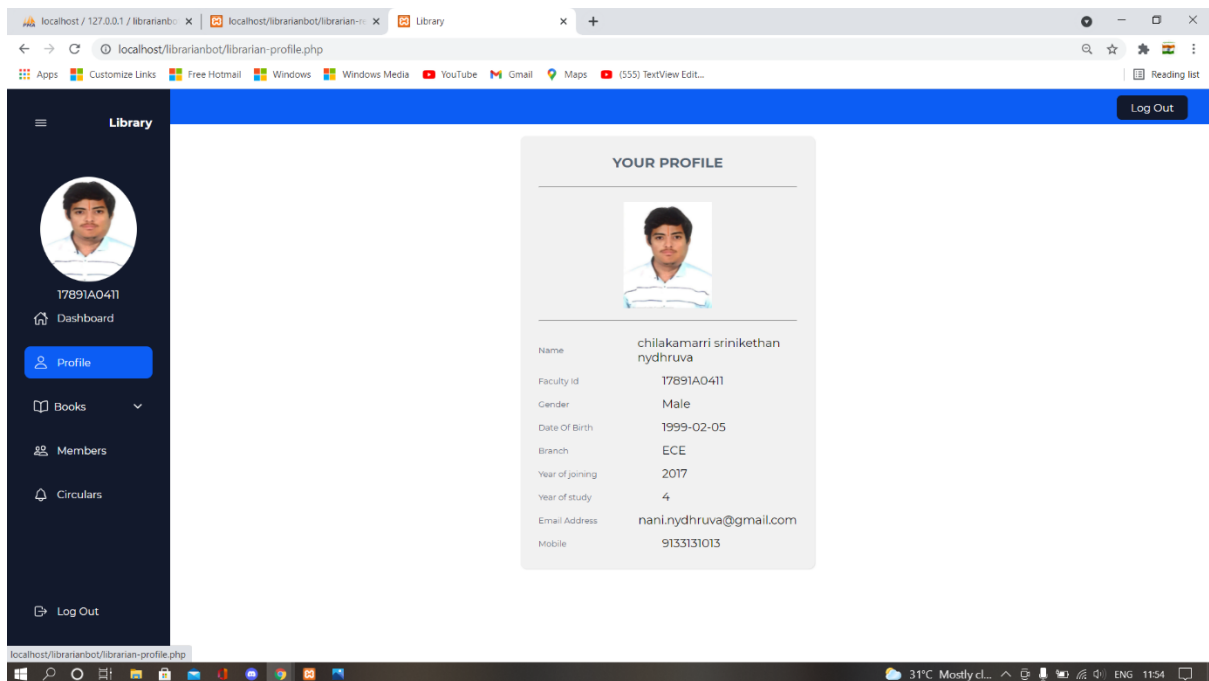


Initially, the Librarians must register themselves in the we portal by entering the data fields that are shown above. The registration in the portal is the first step in the library automation process.

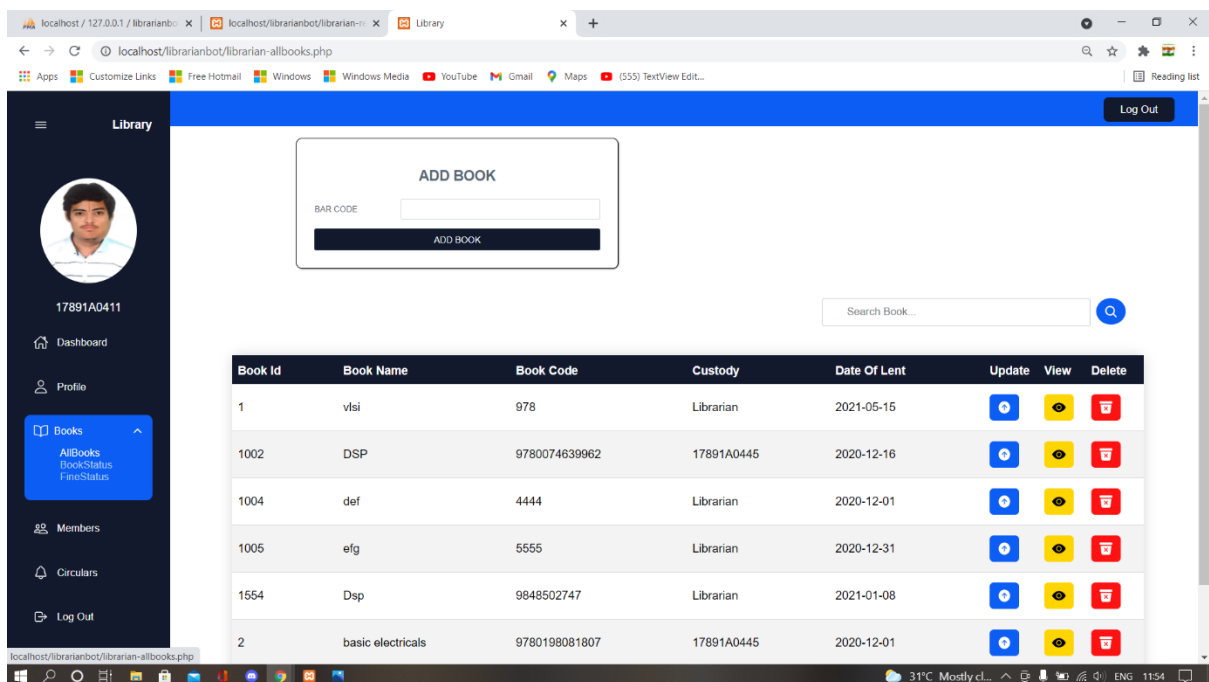
After entering all the necessary information into the form that is provided for librarian/admin registration, upon clicking the register button the details will be submitted to the database and an account will be created on the required credentials.

| Rank | Book    | Custody | Date of lent | Update | View | Delete |
|------|---------|---------|--------------|--------|------|--------|
| 1    | Domenic | 88,110  | 88,110       |        |      |        |
| 2    | Sally   | 72,400  | 88,110       |        |      |        |
| 3    | Nick    | 52,300  | 88,110       |        |      |        |

After account creation, the librarian can login to the portal and can manage the transactions. As soon as logging in, he/she can access the dashboard at first, where one can access the analytics of the transactions.



Upon clicking profile button, he/she can view their profile details entered as if it is an identity card.



By clicking all books button in the books section, we can have a view over all the books that are under the librarian custody till date with all the respective details like book id, book name, book code, custody where the book exists, date when the book is lent and other options such as update the book, view and deleting the book.

Library

Search...

| Book Id | Book Name         | Custody    | Date Of Lent | Days | Date of submission | Deposit | Status |
|---------|-------------------|------------|--------------|------|--------------------|---------|--------|
| 1       | vlsi              | Librarian  | 2021-05-15   | -    | -                  | -       | ✓      |
| 1002    | DSP               | 17891A0445 | 2020-12-16   | 189  | 2020-12-31         | ⏸       | \$     |
| 1004    | def               | Librarian  | 2020-12-01   | -    | -                  | -       | ✓      |
| 1005    | efg               | Librarian  | 2020-12-31   | -    | -                  | -       | ✓      |
| 1554    | Dsp               | Librarian  | 2021-01-08   | -    | -                  | -       | ✓      |
| 2       | basic electricals | 17891A0445 | 2020-12-01   | 204  | 2020-12-16         | ⏸       | \$     |
| 4       | EDC               | 17891A0445 | 2020-07-07   | 351  | 2020-07-22         | ⏸       | \$     |

17891A0411

Dashboard

Profile

Books

AllBooks

BookStatus

FineStatus

Members

Circulars

Log Out

On clicking book status button, librarian/admin can view the status of the lent book and the days that are passed from the date the book is given to a student from the library custody. Here, we have two status one is the green symbol which indicated the book is under custody/ the days passed from the date of lent is less than 15 days and another is the red symbol which indicates the student who has that particular book must bear the fine generated based on the number of days.

Library

Search...

| Book Id | Book Name         | Custody    | Date Of Lent | Days | Date of submission | Fine | PayFine  |
|---------|-------------------|------------|--------------|------|--------------------|------|----------|
| 1       | vlsi              | Librarian  | 2021-05-15   | -    | -                  | -    |          |
| 1002    | DSP               | 17891A0445 | 2020-12-16   | 190  | 2020-12-31         | 525  | Pay Fine |
| 1004    | def               | Librarian  | 2020-12-01   | -    | -                  | -    |          |
| 1005    | efg               | Librarian  | 2020-12-31   | -    | -                  | -    |          |
| 1554    | Dsp               | Librarian  | 2021-01-08   | -    | -                  | -    |          |
| 2       | basic electricals | 17891A0445 | 2020-12-01   | 205  | 2020-12-16         | 570  | Pay Fine |
| 4       | EDC               | 17891A0445 | 2020-07-07   | 352  | 2020-07-22         | 1011 | Pay Fine |
|         |                   |            |              |      |                    | 2108 | Pay Fine |

17891A0411

Dashboard

Profile

Books

AllBooks

BookStatus

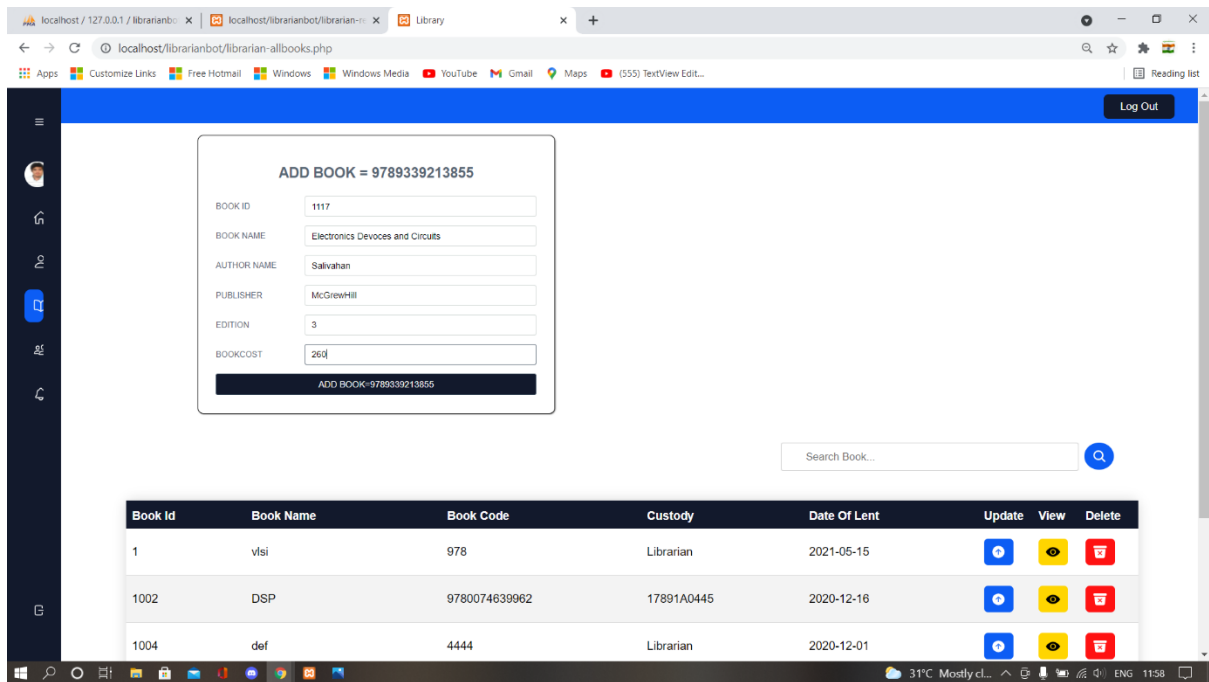
FineStatus

Members

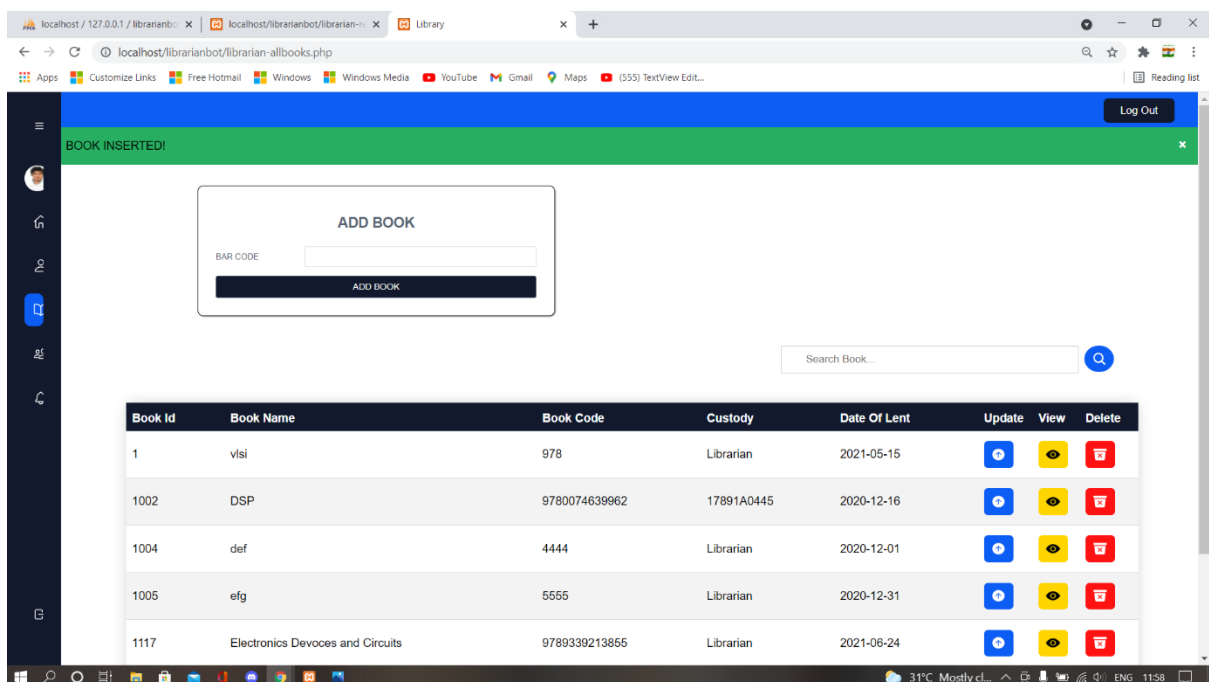
Circulars

Log Out

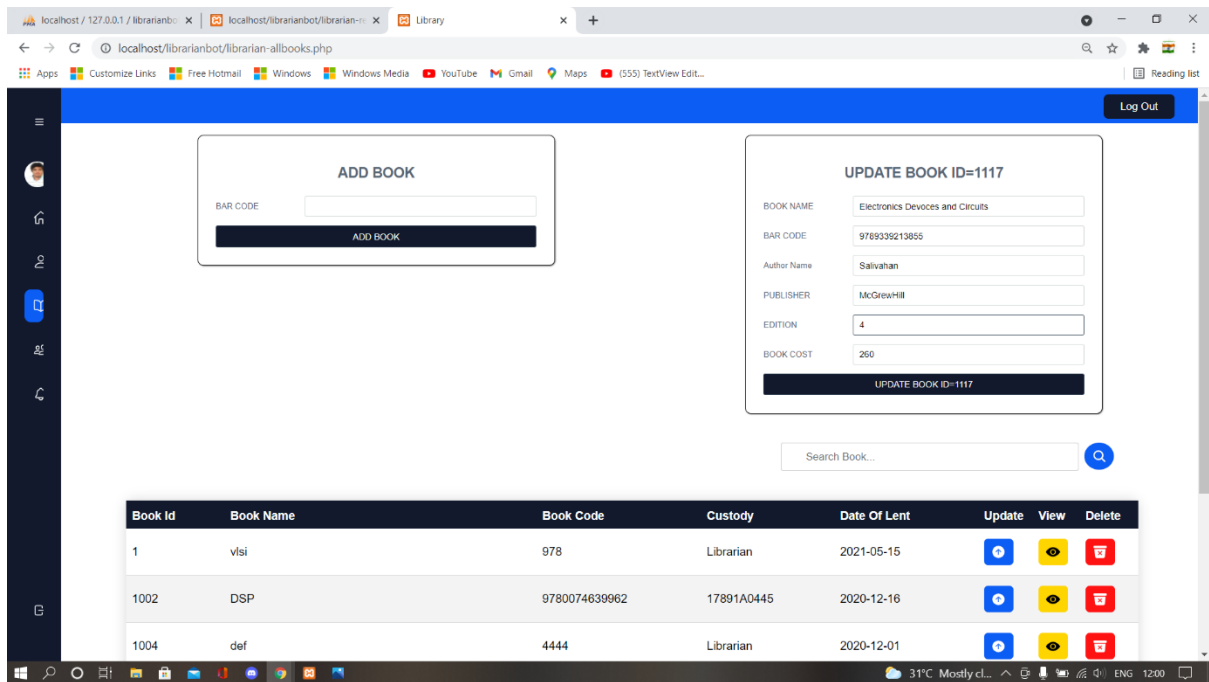
Here, in the fine status page, the librarian can view the amount of fine generated on a particular book and he/she can also pay the fine amount behalf of the student provided if the pays the fine amount to the librarian.



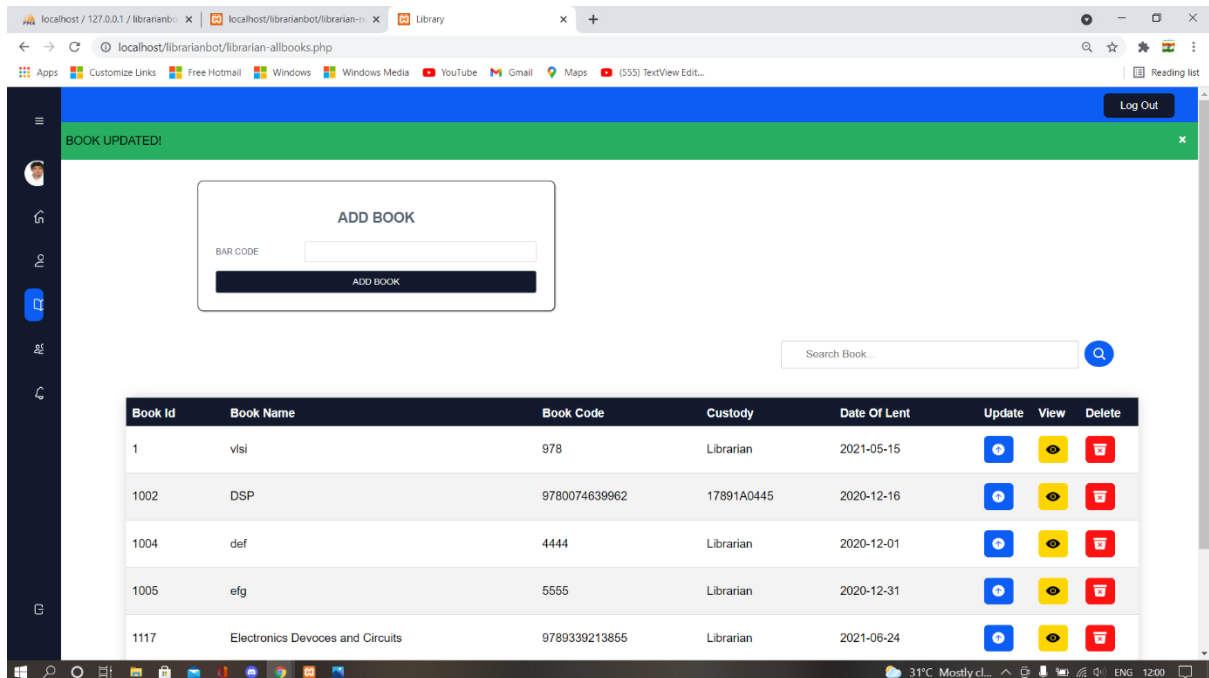
In order to add a particular book to the librarian custody, we have an option above the books details table to add the book where we need to enter the book barcode number. After entering the barcode number, other details about the book are entered and book will be added to the library custody.



From the above picture, we can observe the notification that arrives when a particular book is added to the library custody.

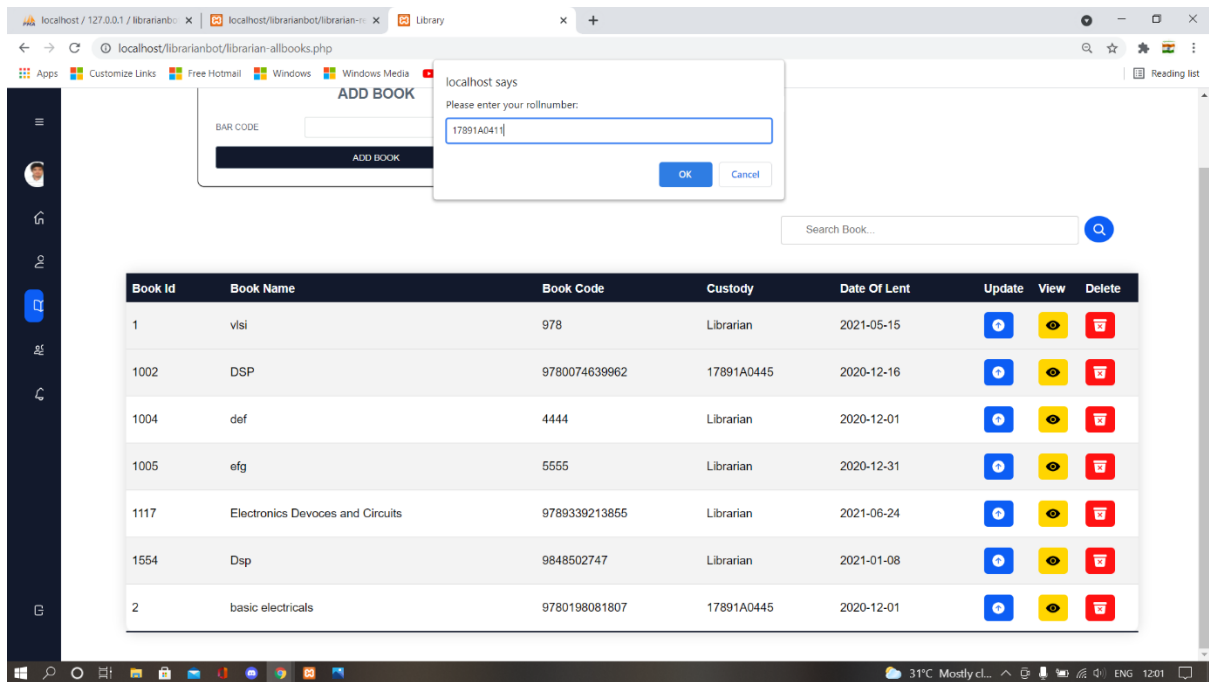


After adding or inserting a book into the library custody, if the details of a particular book entered goes wrong/ we need to change the details of a book, we can use the update button provided in the books table. Hence after entering the correct data, we can update the details of a book in the library database.

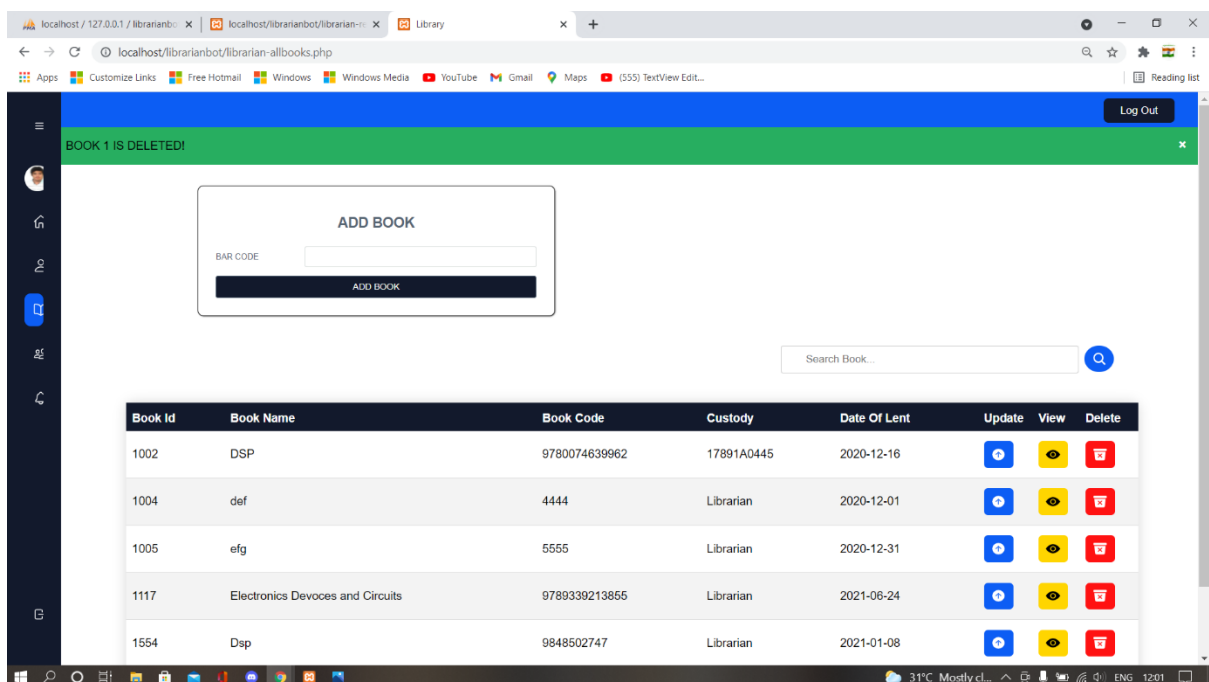


From the above picture, we can observe the notification that arrives when a particular book is updated in the library custody.





Librarian/admin can also delete/remove a particular book from the library database by selecting the delete option in the books table and entering the ID number when the system prompts for the ID number that is associated with a particular book which he/she desires to delete/remove.



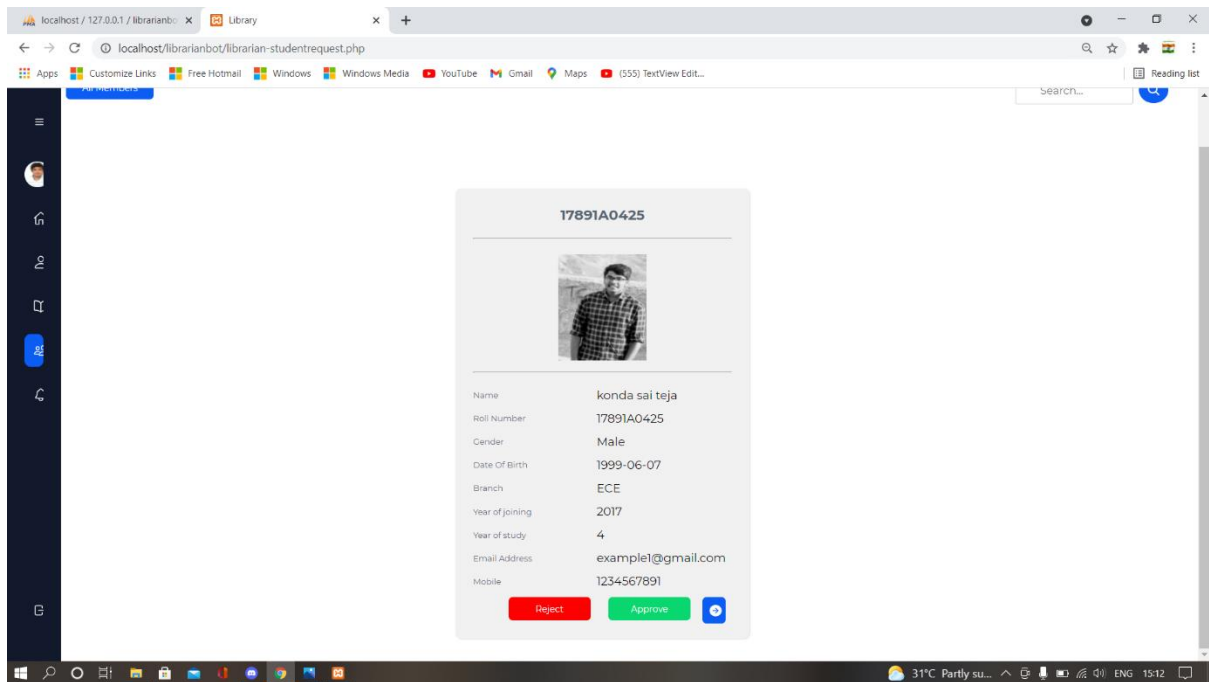
From the above picture, we can observe the notification that arrives when a particular book is deleted from the library custody.

| Book Id | Book Name                        | Custody    | Date Of Lent | Days | Date of submission | Fine | PayFine                  |
|---------|----------------------------------|------------|--------------|------|--------------------|------|--------------------------|
| 1002    | DSP                              | Librarian  | 2020-12-16   | -    | -                  | -    |                          |
| 1004    | def                              | Librarian  | 2020-12-01   | -    | -                  | -    |                          |
| 1005    | efg                              | Librarian  | 2020-12-31   | -    | -                  | -    |                          |
| 1117    | Electronics Devoces and Circuits | Librarian  | 2021-06-24   | -    | -                  | -    |                          |
| 1554    | Dsp                              | Librarian  | 2021-01-08   | -    | -                  | -    |                          |
| 2       | basic electricals                | 17891A0445 | 2020-12-01   | 205  | 2020-12-16         | 570  | <a href="#">Pay Fine</a> |
|         |                                  |            |              |      |                    | 570  | <a href="#">Pay Fine</a> |

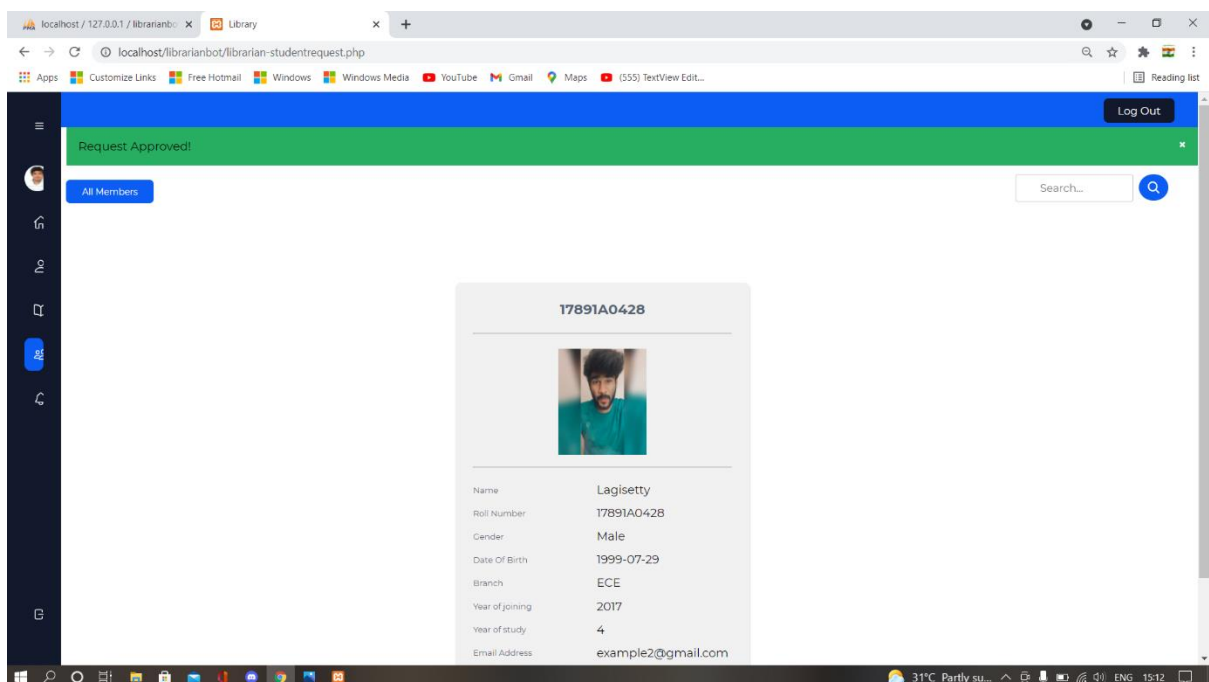
In order to pay the generated fine amount, the librarian/admin has to navigate to fine status option in the books section and at the bottom of the fine table, there is an option to pay the fine amount through which he/she can pay the fine amount.

| SNO       | Name | RollNumber | Mobile | Email | Update | View | Delete |
|-----------|------|------------|--------|-------|--------|------|--------|
| 0 results |      |            |        |       |        |      |        |

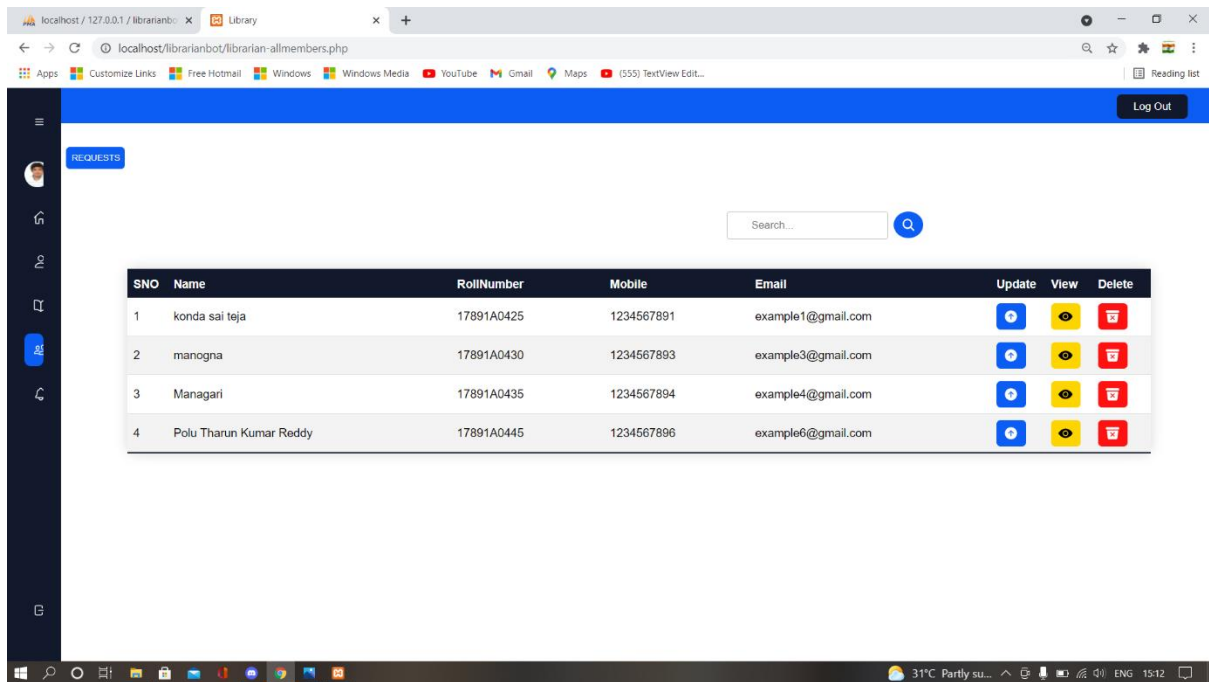
The above page displays the approved members/ the members those who have an active library account. We also have requests tab at the top left of the page to approve/decline the requests that are generated when a student registers in the portal.



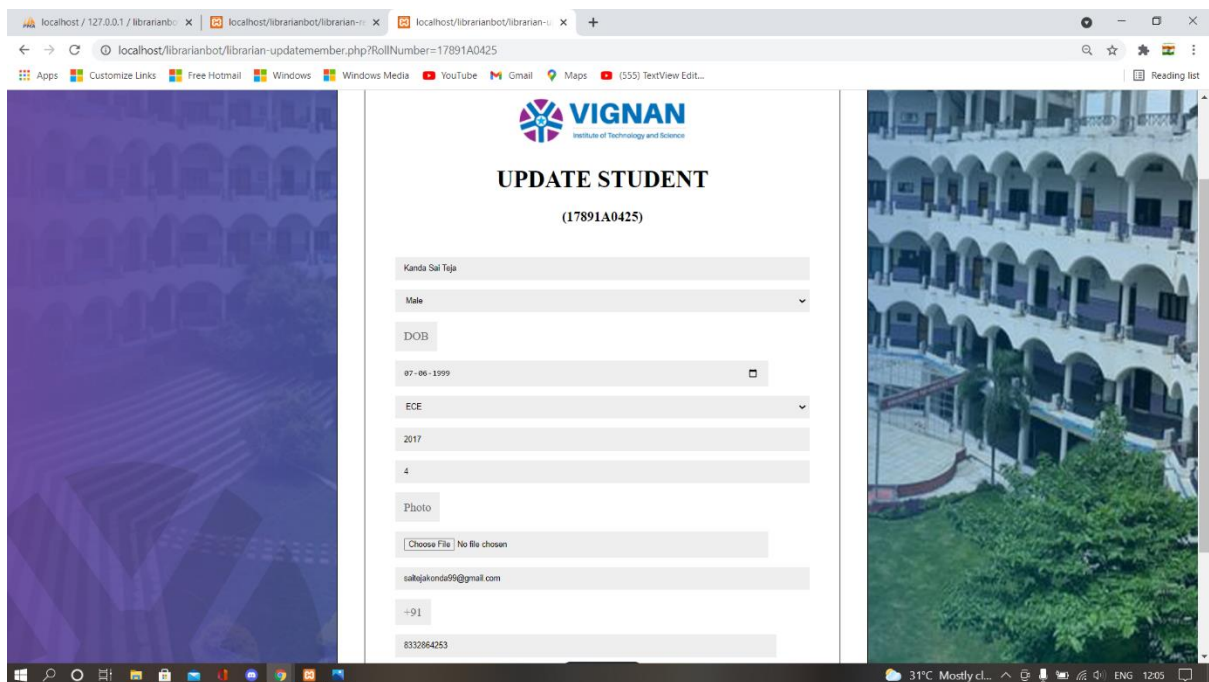
When a particular student registers in the portal, a request is raised at the members page of the librarian/admin. Then after thorough authentication, the librarian can approve/decline the request raised by the students.



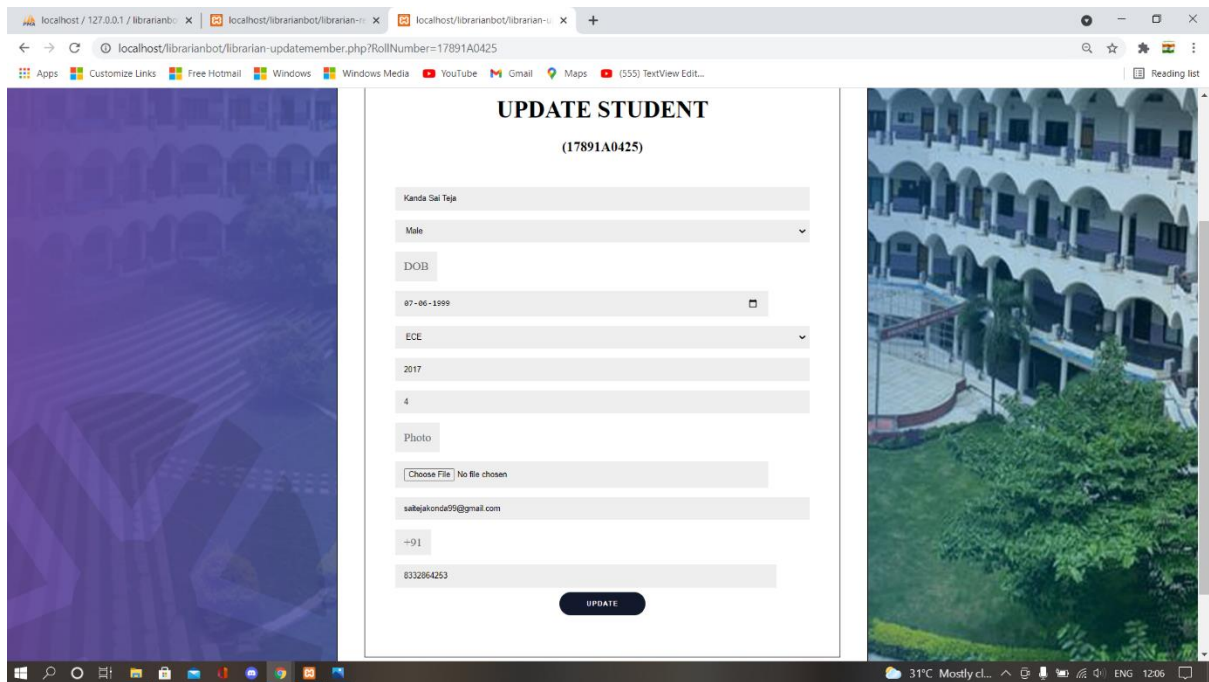
From the above picture, we can observe the notification that arrives when a particular request is approved the librarian after checking all the details about the student who has raised a request for the account in the library.



In the members page, the librarian access the current active members in the library with the necessary details such as ID number, name , mobile number and email ID.



Librarian/admin can also update the student details when student details entered wrong/ if a particular student raises a request regarding the details change in the library database.

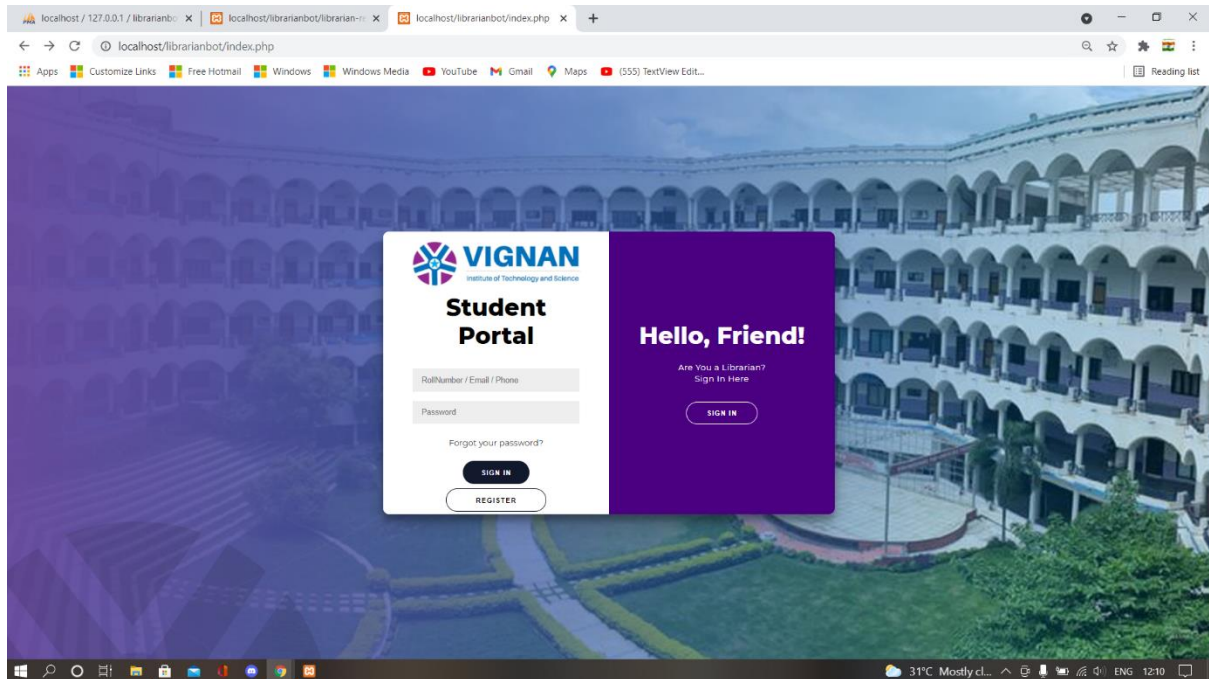


The screenshot displays a web browser window with multiple tabs. The active tab shows a form titled "UPDATE STUDENT" for a student with roll number 17891A0425. The form is divided into two columns. The left column contains the following fields: Name (Kanda Sai Teja), Gender (Male), DOB (07-06-1999), ECE (ECE), Year (2017), Section (4), Photo (Choose File), Email (saitejajakonda29@gmail.com), and a phone number (8332864253). The right column features a large image of a multi-story building with a green lawn in front. At the bottom of the form is an "UPDATE" button. The browser's address bar shows the URL "localhost/librarianbot/librarian-updatemember.php?RollNumber=17891A0425". The Windows taskbar at the bottom indicates the system time is 12:06 and the temperature is 31°C.

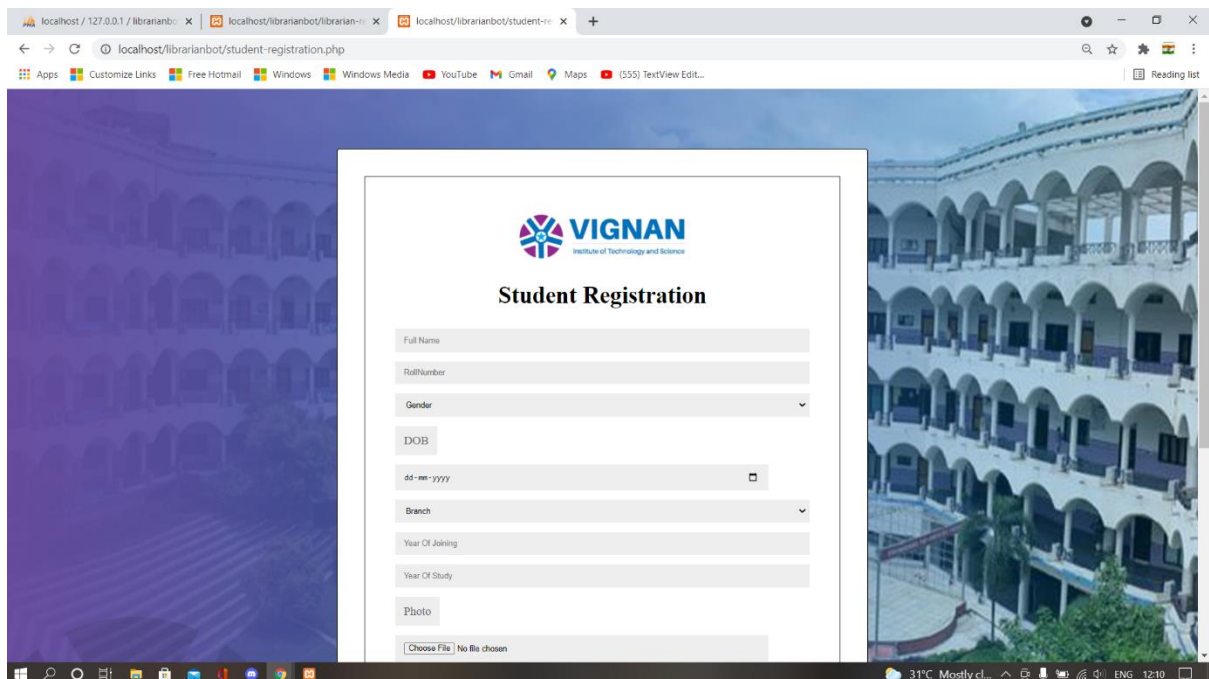
| UPDATE STUDENT |                            |
|----------------|----------------------------|
| (17891A0425)   |                            |
| Name           | Kanda Sai Teja             |
| Gender         | Male                       |
| DOB            | 07-06-1999                 |
| ECE            | ECE                        |
| Year           | 2017                       |
| Section        | 4                          |
| Photo          | Choose File                |
| Email          | saitejajakonda29@gmail.com |
| Phone Number   | 8332864253                 |
| UPDATE         |                            |

After entering the correct data of the student, librarian/admin can hit update button in the form after which the details will be updated in the library database.

# STUDENT SIDE



In the LIBRARIAN BOT web application, we are currently at the student side user interface. Here, Students can access their accounts, check their account status, fine status and also pay the fine (if due exists).



Initially, student has to create an account with his/her details by clicking on the register button in the home page of the student portal. After clicking on register button, a form with few data fields appear where student need to fill the necessary details.



The screenshot shows a web browser window with multiple tabs. The active tab is 'localhost/127.0.0.1/librarianbot/student-registration.php'. The page displays a registration form with the following fields:

- DOB: 09-06-2000
- ECE: [dropdown menu]
- Year: 2017, 2021
- Photo: [Choose File] Passport Photo.jpg
- Email: potharu526@gmail.com
- Phone: +91 9010274750
- Gender: [dropdown menu]
- Address: [text area]

A 'REGISTER' button is located at the bottom of the form. The background of the page features a large image of a building with arches.

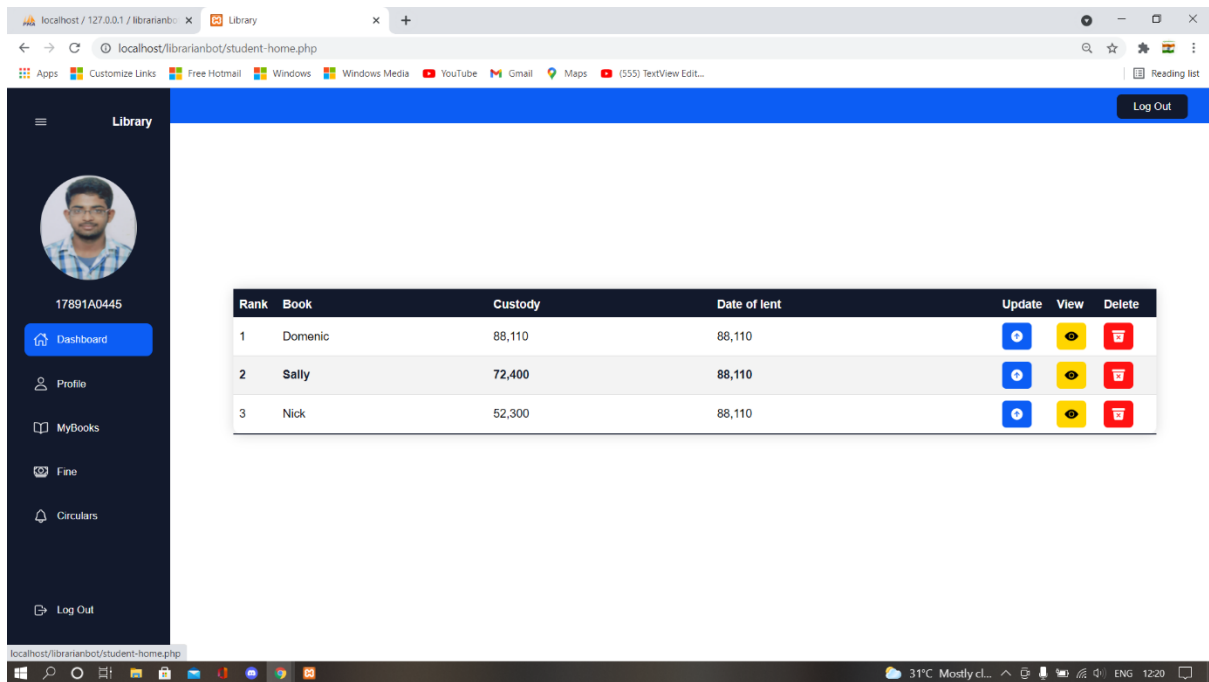
After filling up the necessary details student should click register button so that the details will be entered into the library database and an account be created.

The screenshot shows a web browser window with a green notification bar at the top that reads 'Your Request is Submitted!'. Below the notification, the page displays a 'Student Registration' form for VIGNAN Institute of Technology and Science. The form includes the following fields:

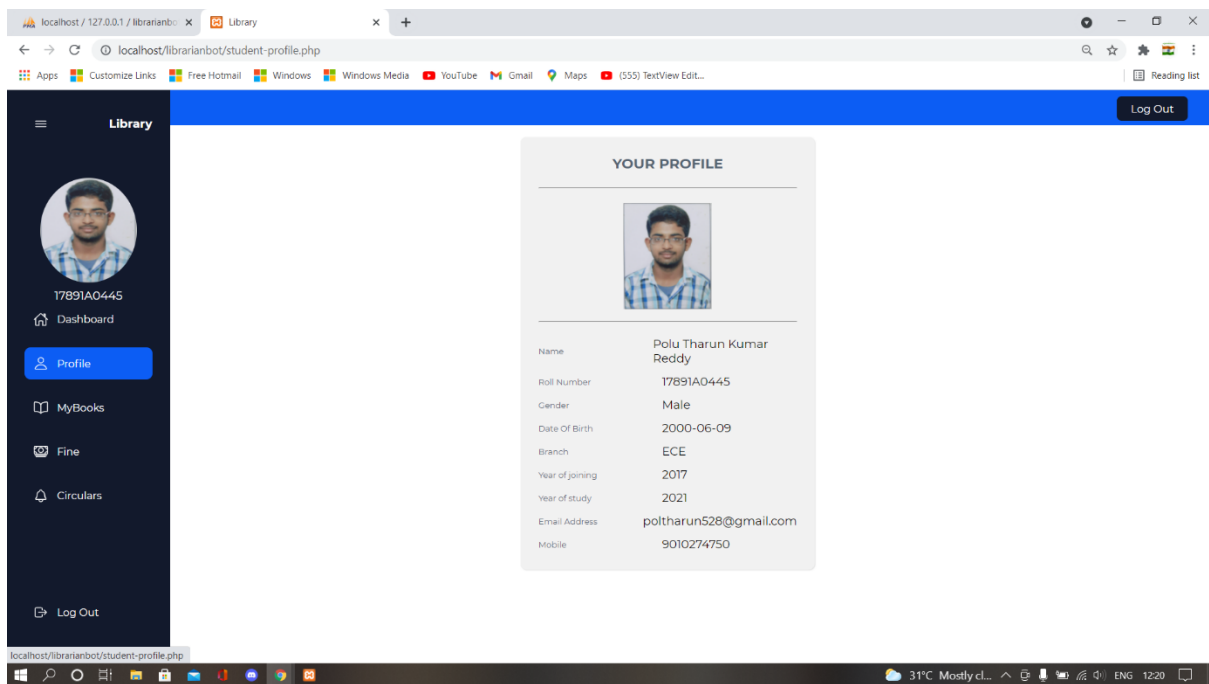
- Full Name
- RollNumber
- Gender: [dropdown menu]
- DOB: dd-mm-yyyy
- Branch: [dropdown menu]
- Year Of Joining
- Year Of Study
- Photo

The VIGNAN logo is displayed at the top of the form. The background of the page features a large image of a building with arches.

From the above picture, we can observe the notification that arrives when a particular student is done with his/her registration for a library account and then a request is raised for the librarian's/admin's approval.



After successful approval of the librarian, the account is created and then further student can login to the portal with his/her login credentials and access the services provided by the LIBRARIAN BOT.



Student can view his/her profile by clicking on the profile button in the navigation bar that is present on the very left side of the home page. Here, the respective student details will be displayed as an identity card.



| Book Id | Book Name                        | Custody    | Date Of Lent | Days | Date of submission | Status |
|---------|----------------------------------|------------|--------------|------|--------------------|--------|
| 1002    | DSP                              | 17891A0445 | 2020-12-16   | 190  | 2020-12-31         | \$     |
| 1004    | def                              | 17891A0445 | 2020-12-01   | 205  | 2020-12-16         | \$     |
| 1117    | Electronics Devoces and Circuits | 17891A0445 | 2021-06-24   | 0    | 2021-07-09         | ✓      |

Upon clicking mybooks tab in the navigation bar, students can view the books that are with them so that they won't miss out any book during the time of submission in the library.

| Book Id | Book Name                        | Custody    | Date Of Lent | Days | Date of submission | Fine | PayFine  |
|---------|----------------------------------|------------|--------------|------|--------------------|------|----------|
| 1002    | DSP                              | 17891A0445 | 2020-12-16   | 190  | 2020-12-31         | 525  | Pay Fine |
| 1004    | def                              | 17891A0445 | 2020-12-01   | 205  | 2020-12-16         | 570  | Pay Fine |
| 1117    | Electronics Devoces and Circuits | 17891A0445 | 2021-06-24   | 0    | 2021-07-09         | 0    |          |
|         |                                  |            |              |      |                    | 1095 | Pay Fine |

In the fine tab, students can get the information about the fine status and also pay the outstanding amount through the pay fine option button in the fine table.