

A dark blue vertical bar on the left side of the page. A blue arrow points to the right from the bar, containing the date 1/5/2019.

1/5/2019

# USER's Manual

SMART UNIVERSITY

Several thin, curved lines in shades of blue and grey originate from the bottom left corner and sweep upwards and to the right.

# DIU

DIU

MAY 2019

## 1.0 GENERAL INFORMATION

## **A. GENERAL INFORMATION**

### **1.1 System Overview**

An automation aid for smart management:

A desktop application software system based on the Windows Platform.

- Making Class Routine
- Providing Admit Card
- Managing Library
- Inter-Messaging among Admins'
- Allotting class rooms among batches
- Browsing Students' Records
- Maintaining Teachers' Load

## 2.0 SYSTEM REQUIREMENTS

## 2.0.1 SYSTEM REQUIREMENTS

Please ensure that your computer meets or exceeds the following system requirements before installing the application.

**CPU** - Intel Celeron 800 MHz (Intel Core 2 Duo 2 GHz recommended)

**RAM** - 256 MB (2 GB recommended)

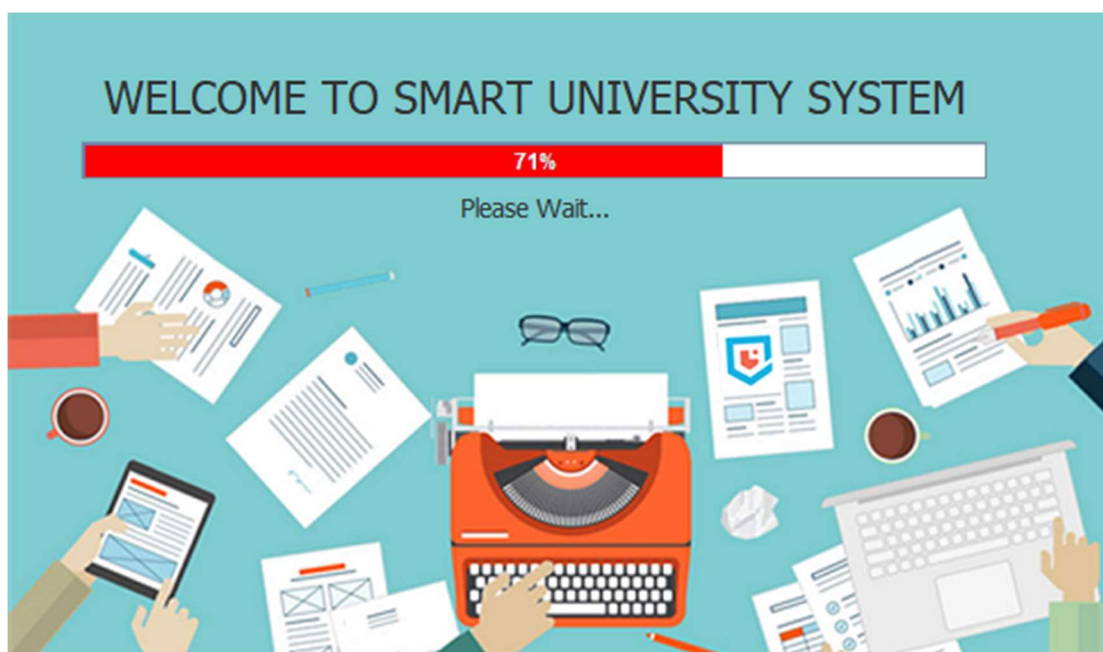
**Available disk space** - 200 MB

**Operating system** - Windows 7, Windows Vista, or Windows XP

## 3.0 GETTING STARTED

### 3.0.1 Loading

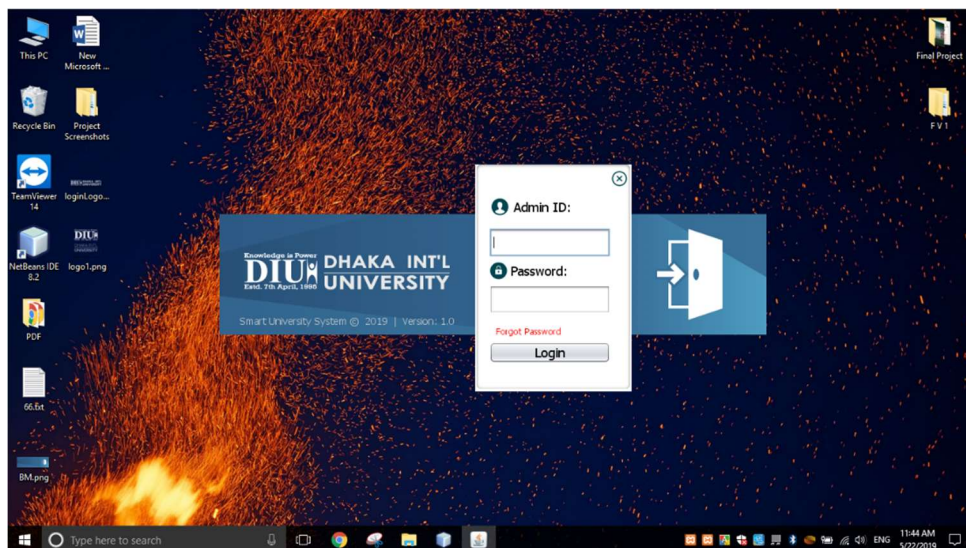
The login page “Figure (5.1.1): Loading”, is the very first screen of the software, while components, internet connection checkup, etc. work will be done.



*Figure (5.1.1): Loading*

### 3.0.2 Login

In the login page “Figure (5.1.2): Login”, admins can sign in using registered ID and password. There is a password reset link ‘Forgot password?’. By clicking in the button, an email will be sent to the admin’s email address with a password reset code.





### 3.0.3 Home/ Dashboard

In the home page “Figure (5.1.3)”, we placed all the main menu and features button.



### 3.0.4 Admin's Communication

In the Admin's Communication “Figure (5.1.4)”, admins of the system can communicate each other.

The screenshot shows a window titled "Admins' Communication". The window has a dark teal header with a speech bubble icon and the title "Admins' Communication". The main area is divided into three sections: "Inbox", "Outbox", and a "Message" composition form.

**Inbox**

From	Subject	Date	Time
------	---------	------	------

**Outbox**

Send To	Subject	Time	Date
a.registrar	dg	20/05/2019	21:33:06

**Message**

**From**

**To**

**Subject**

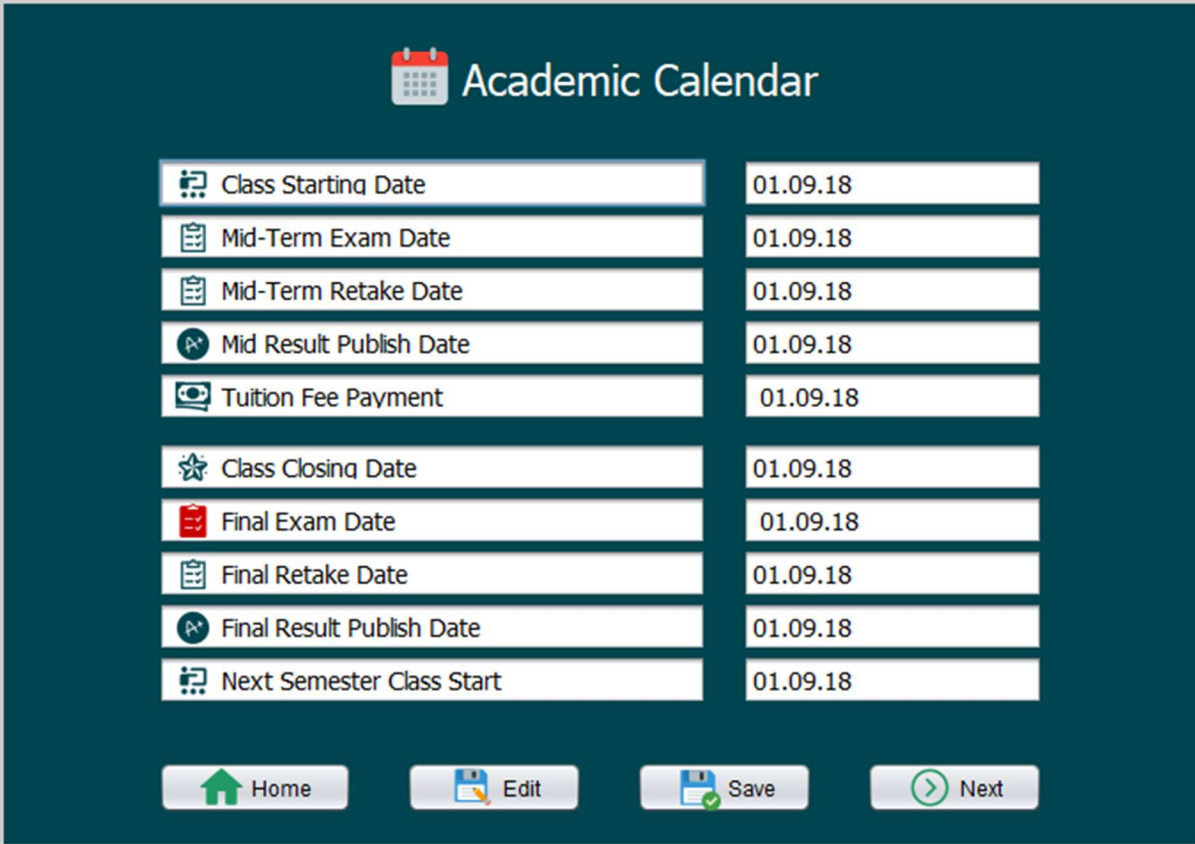
**Message**











At the bottom of the window, there are three buttons: "Close", "Reply", and "Send".

Figure (5.1.4): Admin's Messages

### 3.0.5 Academic Calendar

In the Academic Calendar “Figure (5.1.2)”, we placed all the information about time schedule of current session. Admins can watch it anytime. It can be edited once in a semester.



Academic Calendar	
 Class Starting Date	01.09.18
 Mid-Term Exam Date	01.09.18
 Mid-Term Retake Date	01.09.18
 Mid Result Publish Date	01.09.18
 Tuition Fee Payment	01.09.18
 Class Closing Date	01.09.18
 Final Exam Date	01.09.18
 Final Retake Date	01.09.18
 Final Result Publish Date	01.09.18
 Next Semester Class Start	01.09.18

Home Edit Save Next

Figure (5.1.5): Academic Calendar

### 3.0.6 Generate new Class Routine

In the Class Routine “Figure (5.1.2)”, we placed all the buttons about making new routine step by step.

The screenshot shows a web application window titled "Generate New Class Routine". On the left is a dark teal sidebar with a "Home" button at the top. Below it are four numbered steps: 1. Set Academic Calendar, 2. Update Batch Info, 3. Add New Batches (which is highlighted), and 4. Course Distribution. The main content area is light blue and titled "Add A New Batch". It contains three form fields: "Batch Number" with a dropdown menu showing "E-" and an empty text input; "Semester" with a dropdown menu showing "1"; and "Semester Group" with a dropdown menu showing "batch\_group1". At the bottom of the form are two buttons: "CANCEL" and "SAVE".

*Figure (5.1.6): Class Routine*

### 3.0.7 Course Distribution

In the Course Distribution “Figure (5.1.7)”, all the current batches list will appear in the left side. And at the right side each course with code will be displayed. Particular teacher for each course can be assigned here. Also room number for each batch can be assigned here.

**Dhaka International University**  
Department of CSE | Faculty of Science & Engineering

**Course Distribution**  
Automatic Routine Generation

Batch No.: **E-48** Semester No.: **11** Select Room: **504**

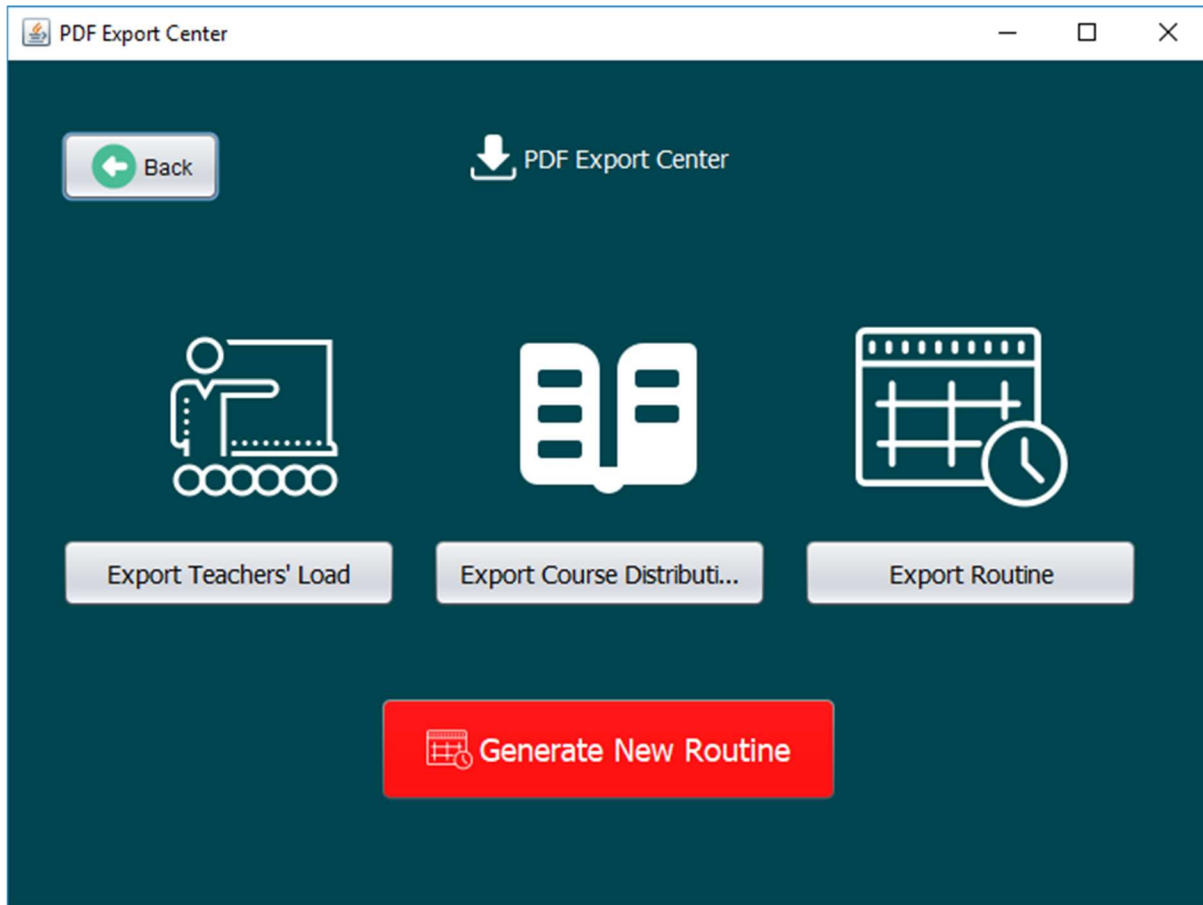
Code	Course Name	Assign Teacher(Tick for Coordinator)	Load
CSE-405	Computer Graphics & Multimedia	Khandakar Mohammad Mohiuddin <input checked="" type="checkbox"/>	6
CSE-406	Computer Graphics & Multimedia Lab	Khandakar Mohammad Mohiuddin <input type="checkbox"/>	6
CSE-407	Artificial Intelligence & Neural Networks	Mr. Al Imran <input type="checkbox"/>	9
CSE-408	Artificial Intelligence & Neural Networks Lab	Mr. Al Imran <input type="checkbox"/>	9
CSE-411	Parallel and Distributed Processing	Md. Abu Sayed <input type="checkbox"/>	9

**Save as Draft** **Save as Final**

*Figure (5.1.7): Course Distribution*

### 3.0.8 PDF Export Center

In the Export PDF “Figure (5.1.8)”, all the documents such as- Class Routine, Teachers load, Course Distribution can be export to computer hard drive for save and print purpose.



*Figure (5.1.8): PDF Export Center*

### 3.0.9 Update Profile Information

In this frame “Figure (5.1.9)”, an admin can change own information including password.

Admin's Profile Information Update

### Update Profile Information

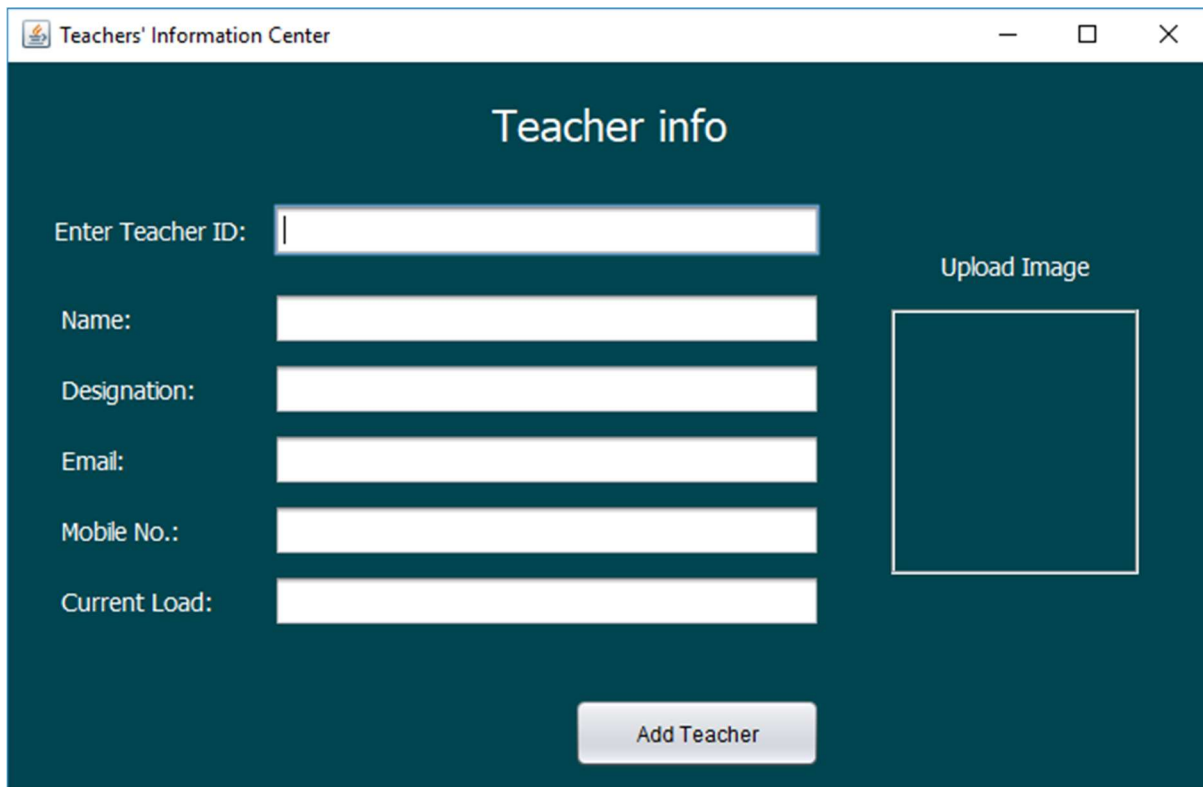
Name	Developer	Designation:	Developer
Login ID	a	Current Password:	*****
Email	developer@abc.com	Change Password:	
Mobile	170001111	Confirm Password	

Save

*Figure (5.1.9): Update Profile Information*

### 3.0.10 Add new Teacher

In this frame “Figure (5.1.10)”, an admin can add new teacher. And can view information about existing teachers.



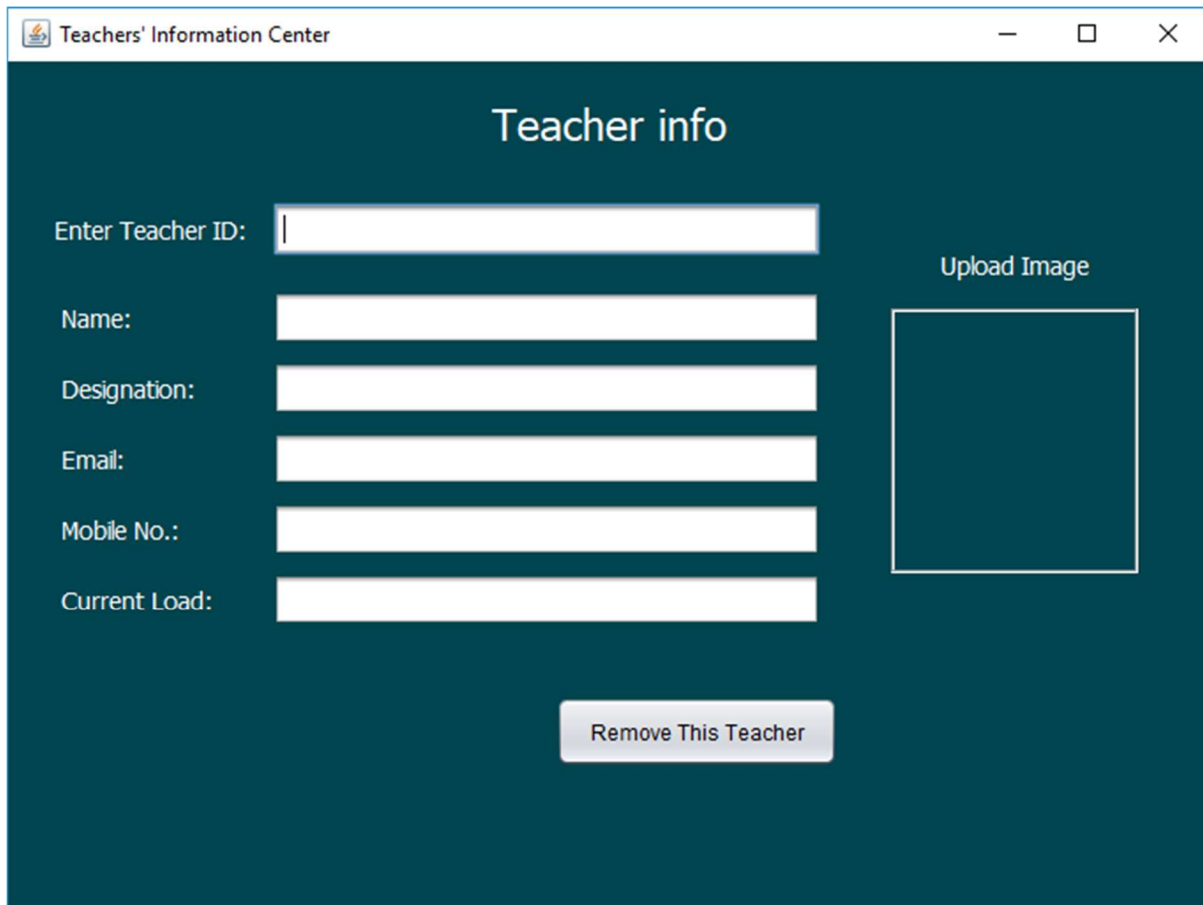
The screenshot shows a web application window titled "Teachers' Information Center". The main content area has a dark teal background and is titled "Teacher info". On the left, there are six input fields with labels: "Enter Teacher ID:", "Name:", "Designation:", "Email:", "Mobile No.:", and "Current Load:". To the right of these fields is a section labeled "Upload Image" with a large empty square box. At the bottom center, there is a light blue button labeled "Add Teacher".

*Figure (5.1.10): Add a new Teacher*



### 3.2.1 Remove an existing Teacher

In this frame “Figure (5.1.11)”, an admin can remove an existing teacher.

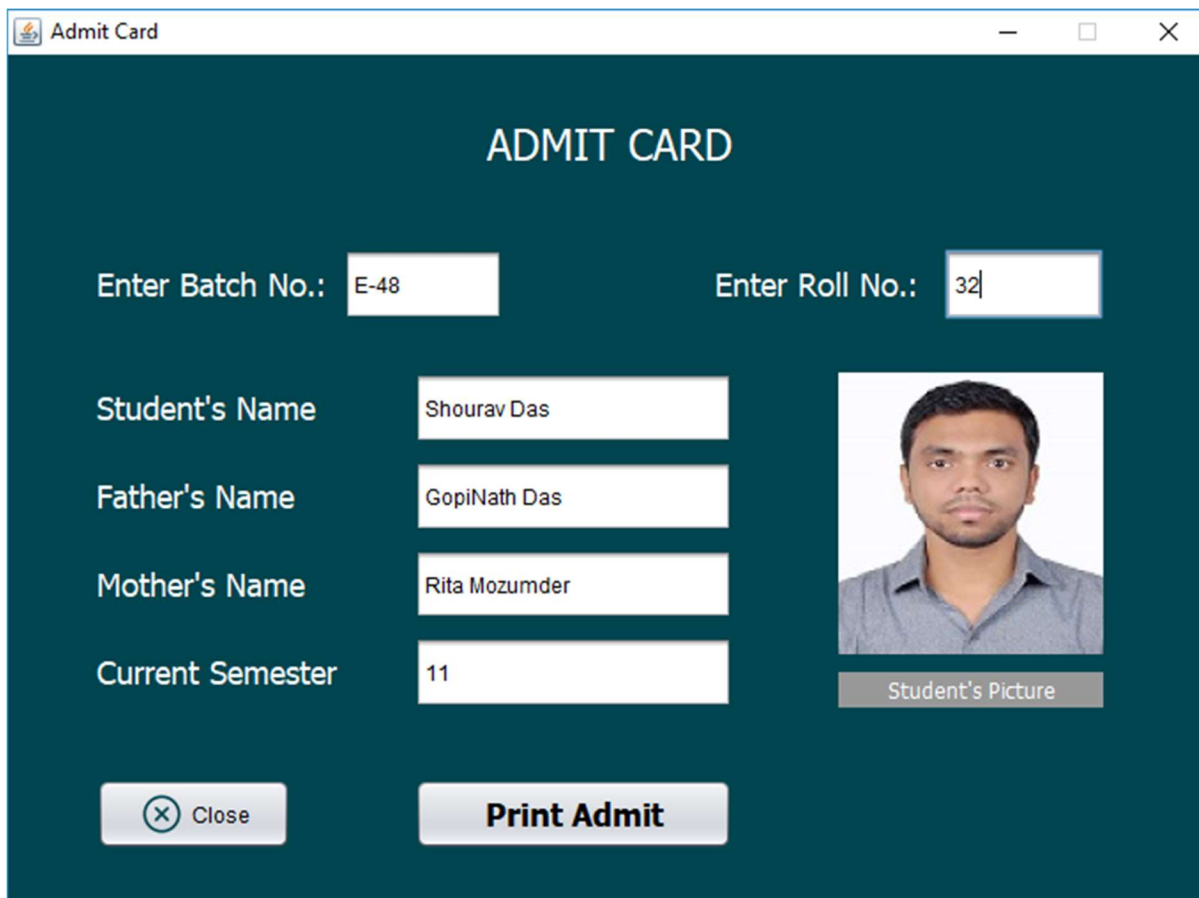


The screenshot shows a web application window titled "Teachers' Information Center". The main heading is "Teacher info". On the left, there are input fields for "Enter Teacher ID:", "Name:", "Designation:", "Email:", "Mobile No.:", and "Current Load:". To the right of these fields is a section labeled "Upload Image" with a large empty box. At the bottom center, there is a button labeled "Remove This Teacher".

*Figure (5.1.11): Remove a Teacher*

### 3.2.2 Admit Card Printing

In this window “Figure (5.1.12)”, exam controller can print admit of a student.

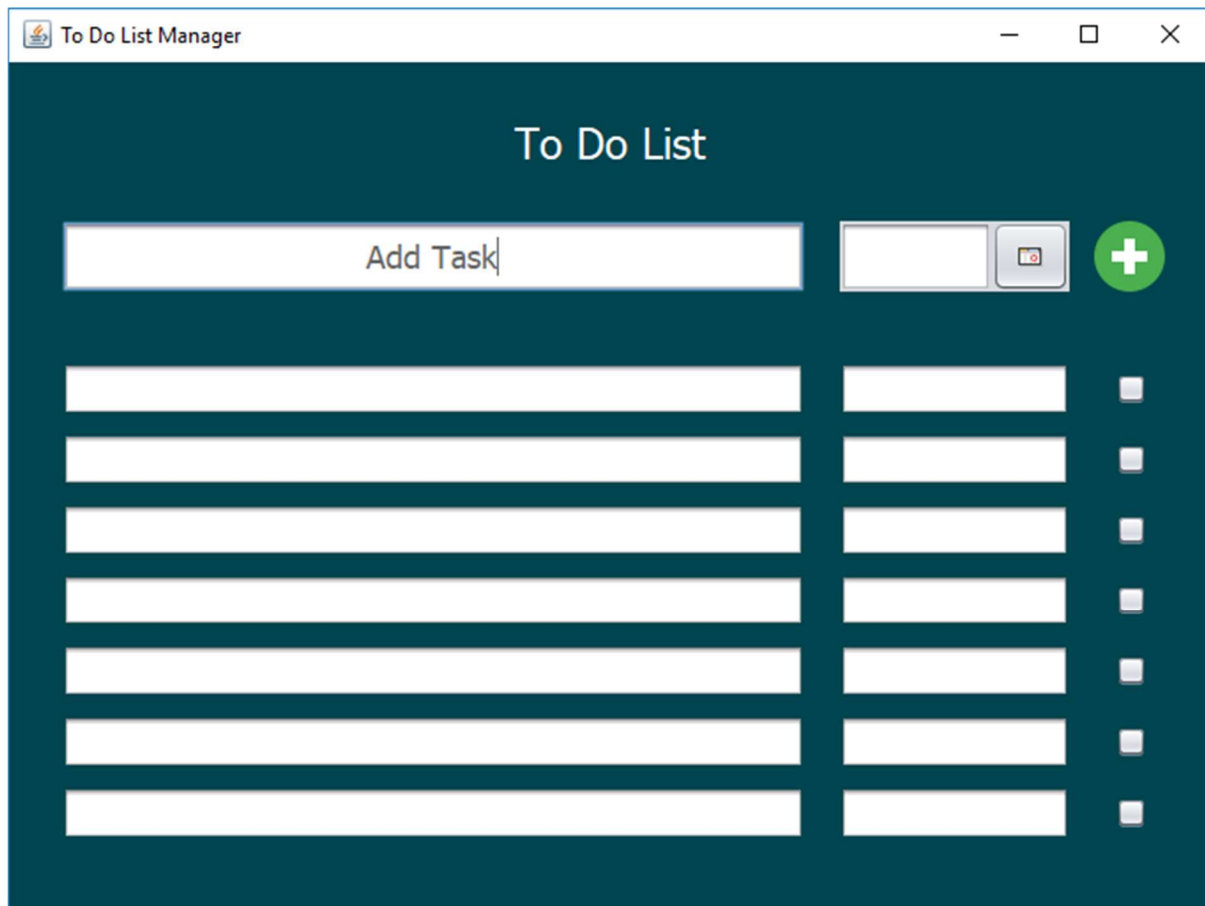


The screenshot shows a web application window titled "Admit Card". The main heading is "ADMIT CARD". Below the heading, there are two input fields: "Enter Batch No.:" with the value "E-48" and "Enter Roll No.:" with the value "32". Below these, there are four rows of student information: "Student's Name" (Shourav Das), "Father's Name" (GopiNath Das), "Mother's Name" (Rita Mozumder), and "Current Semester" (11). To the right of these fields is a placeholder for a student's picture, showing a photo of a man with the caption "Student's Picture". At the bottom left, there is a "Close" button with a close icon. At the bottom right, there is a "Print Admit" button.

Figure (5.1.12): Printing Admit Card

### 3.2.3 To Do List

In this window “Figure (5.1.13)”, each admin can add their own task list to do in the near future. After completing an added task, admin can remove it easily.

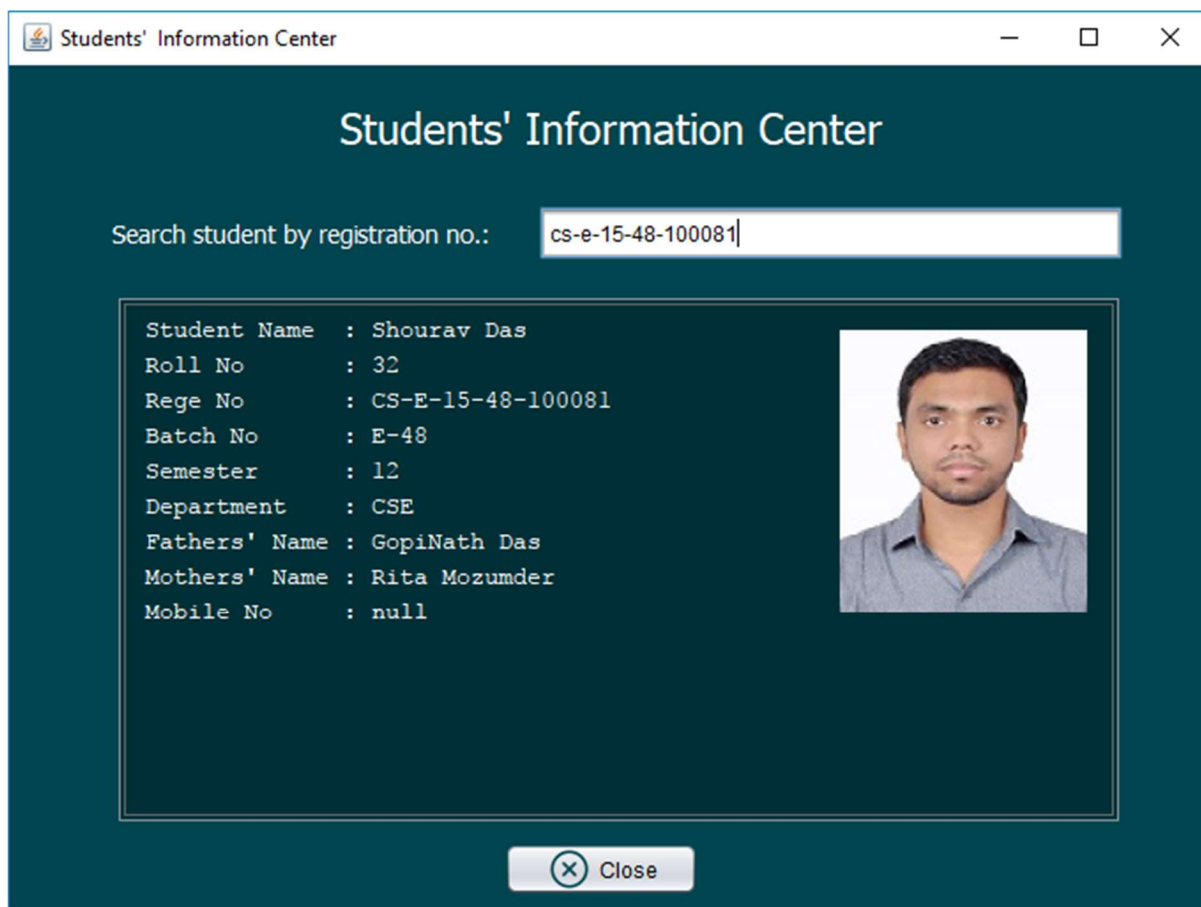


The screenshot shows a window titled "To Do List Manager" with a dark teal background. The main heading "To Do List" is centered at the top. Below the heading, there is a large text input field with the placeholder text "Add Task". To the right of this field is a small calendar icon and a green circular button with a white plus sign. Below the input field, there is a list of eight empty task entries, each consisting of a long white rectangular box for the task description, a smaller white rectangular box for a due date, and a small square checkbox on the right.

*Figure (5.1.13): To Do List*

### 3.2.4 Student Center

In this window “Figure (5.1.14)”, admins can check information of any student by entering his/her registration number.



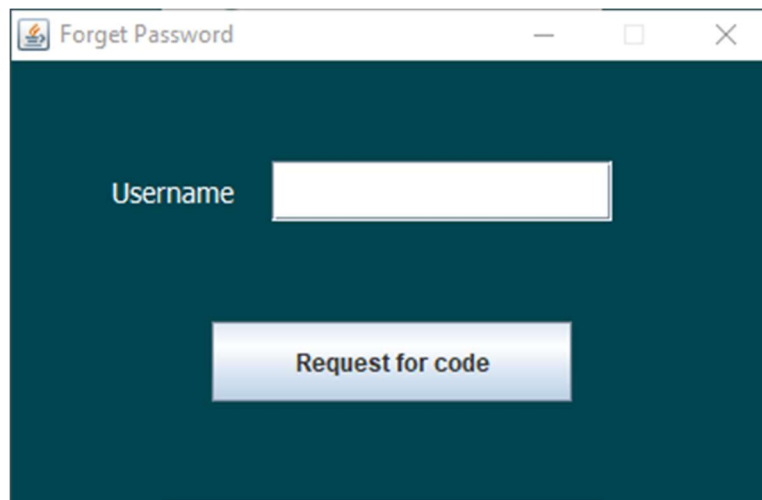
The screenshot shows a web application window titled "Students' Information Center". It features a search bar with the text "Search student by registration no.:" and a text input field containing "cs-e-15-48-100081". Below the search bar, a list of student details is displayed in a monospaced font. To the right of the text is a portrait photo of a man. At the bottom of the window is a "Close" button.

Student Name	: Shourav Das
Roll No	: 32
Rege No	: CS-E-15-48-100081
Batch No	: E-48
Semester	: 12
Department	: CSE
Fathers' Name	: GopiNath Das
Mothers' Name	: Rita Mozumder
Mobile No	: null

Figure (5.1.14): Student Center

### 3.2.5 Forget Password

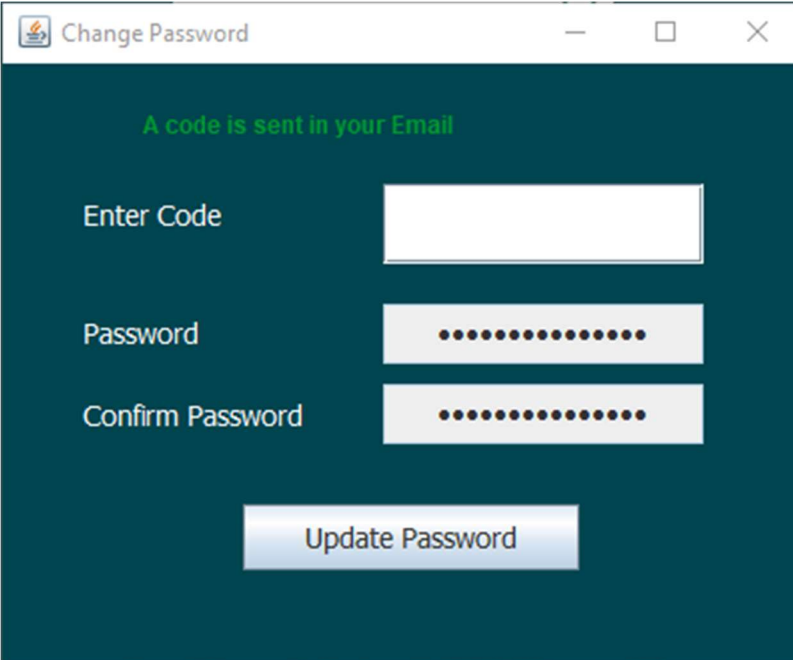
In this panel “Figure (5.1.15)”, admins can request for a recovery code for resetting his/her password if lost.

The image shows a software window titled "Forget Password". The window has a dark teal background. On the left side, the label "Username" is displayed in white text. To the right of the label is a white rectangular input field with a thin grey border. Below the input field, centered horizontally, is a light blue button with a slight gradient and a thin grey border. The button contains the text "Request for code" in a dark blue font. The window's title bar is white and includes standard minimize, maximize, and close icons on the right side.

*Figure (5.1.15): Forget Password*

### 3.2.6 Change Password

In this window “Figure (5.1.16)”, admins can change his/her password by entering the recovery code received in the email.

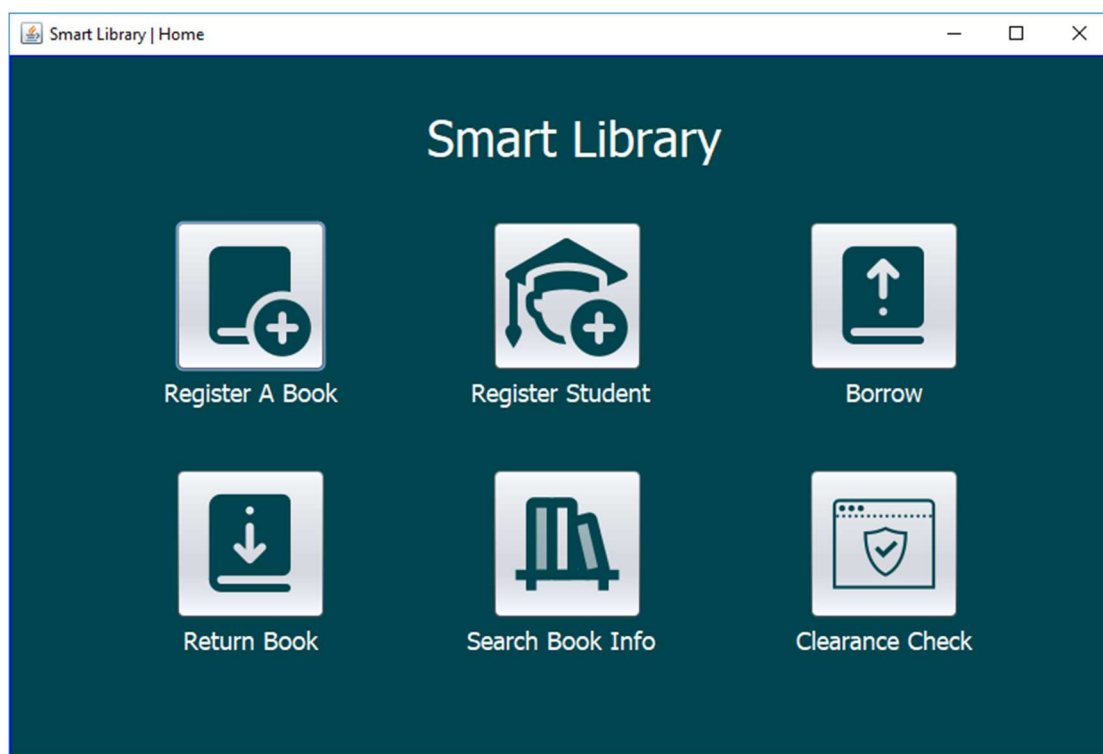


The screenshot shows a web application window titled "Change Password". The window has a dark teal background. At the top, there is a green message: "A code is sent in your Email". Below this, there are three input fields: "Enter Code" (a white text box), "Password" (a white box with 12 dots), and "Confirm Password" (a white box with 12 dots). At the bottom, there is a blue button with the text "Update Password".

*Figure (5.1.16): Change Password*

### 3.2.7 Library | Dashboard

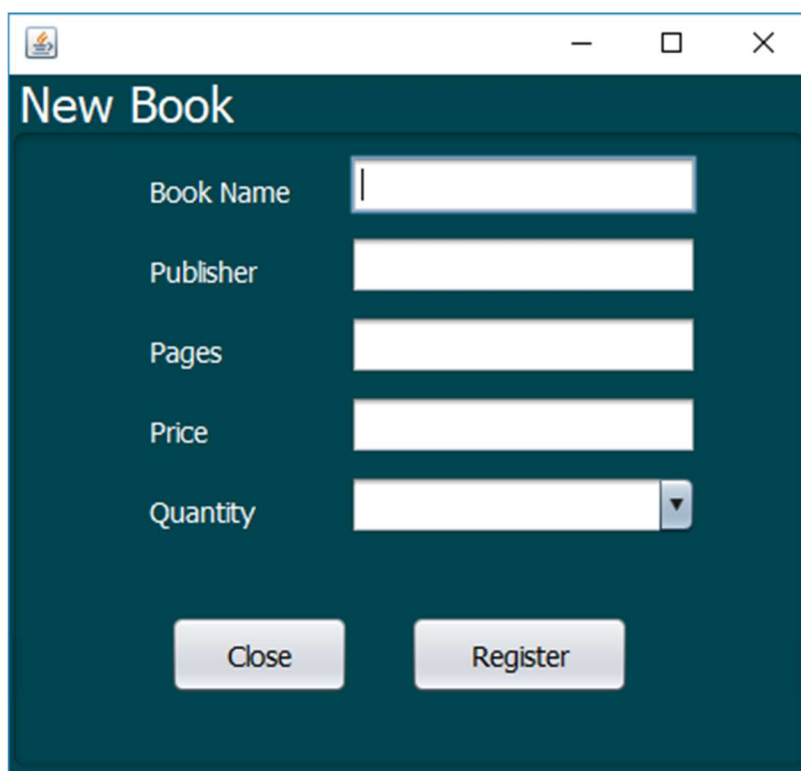
In the panel “Figure (5.1.17): Library | Dashboard”, librarian can view all the menus of library management.



*Figure (5.1.17): Library | Dashboard*

### 3.2.8 Add New Book

In the panel “Figure (5.1.18): Add New Book”, librarian can add new books enlisted in the university library.



The image shows a software window titled "New Book" with a dark teal background. It contains five input fields for book information: "Book Name", "Publisher", "Pages", "Price", and "Quantity". The "Quantity" field has a dropdown arrow on its right side. At the bottom of the window are two buttons: "Close" and "Register".

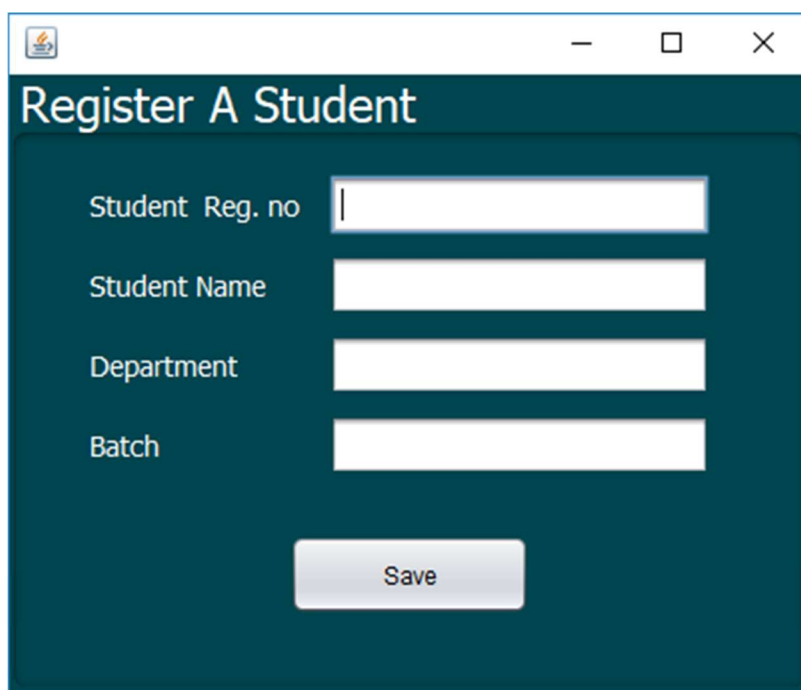
Field	Type
Book Name	Text Input
Publisher	Text Input
Pages	Text Input
Price	Text Input
Quantity	Text Input with Dropdown

*Figure (5.1.18): Add New Book*



### 3.2.9 Register new Library Member

In the panel “Figure (5.1.19): Register new Library Member”, librarian can add new member of the library.

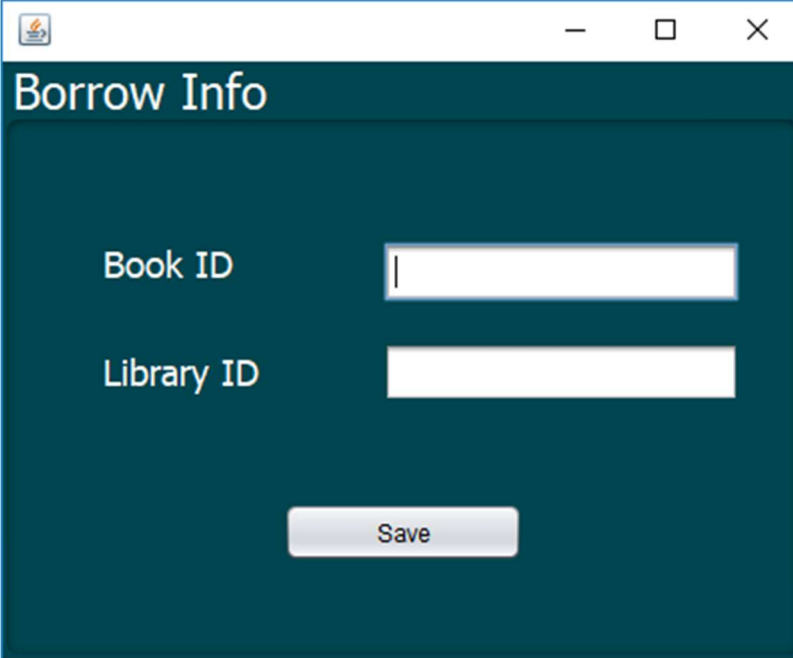


The image shows a software window titled "Register A Student". The window has a dark teal header bar with the title in white. Below the header, there are four input fields with labels to their left: "Student Reg. no", "Student Name", "Department", and "Batch". Each label is in a light gray font. The input fields are white with a thin gray border. At the bottom of the form, there is a light gray button with the word "Save" in a dark gray font. The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

*Figure (5.1.19): Register new Library Member*

### 3.2.10 Borrow Book

In the panel “Figure (5.1.20): Borrow Book”, admin will entry the information of borrowing a book from library.

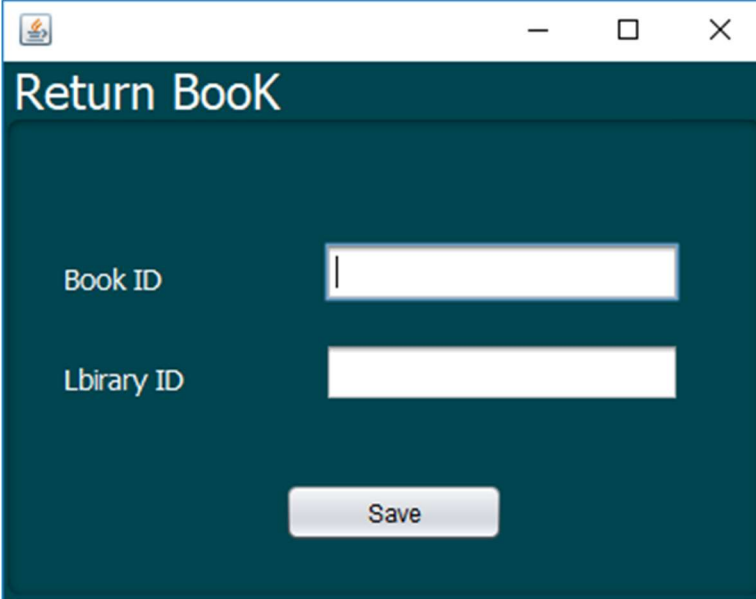
A screenshot of a web application window titled "Borrow Info". The window has a dark teal background. It contains two text input fields: "Book ID" and "Library ID". Below these fields is a "Save" button. The window has standard window controls (minimize, maximize, close) in the top right corner.

Book ID	<input type="text"/>
Library ID	<input type="text"/>
<input type="button" value="Save"/>	

*Figure (5.1.20): Borrow Book*

### 3.3.1 Return Book

In the panel “Figure (5.1.21): Return Book”, admin will update info of returning a borrowed book.

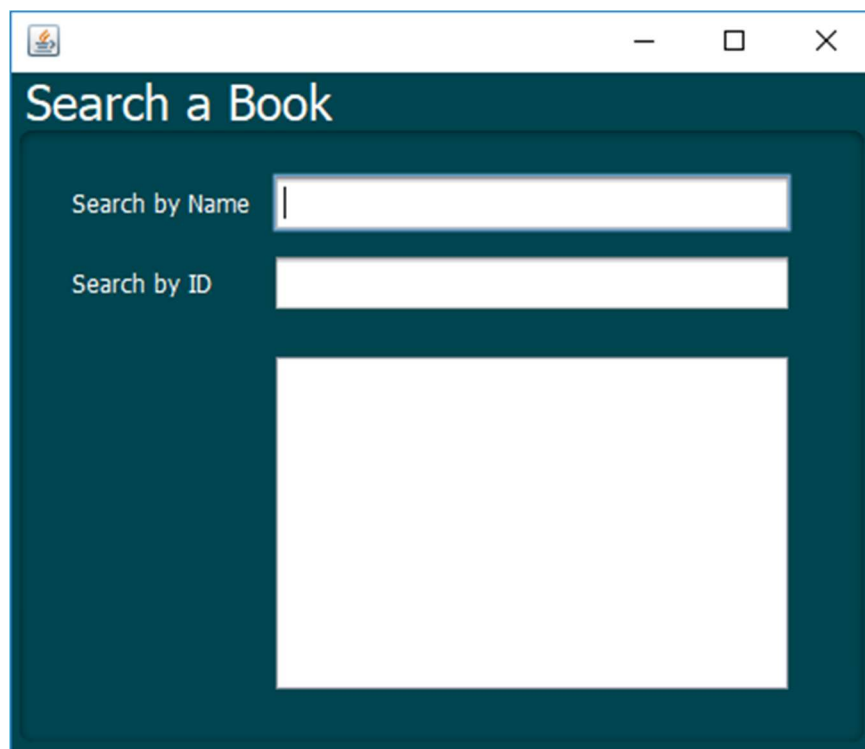
A screenshot of a web application window titled "Return Book". The window has a dark teal header with the title in white. Below the header, there are two input fields: "Book ID" and "Library ID". The "Book ID" field has a small vertical cursor on the left. Below these fields is a "Save" button. The window has standard OS window controls (minimize, maximize, close) in the top right corner.

Book ID	<input type="text"/>
Library ID	<input type="text"/>
<input type="button" value="Save"/>	

*Figure (5.1.21): Return Book*

### 3.3.2 Search Book Information

In the panel “Figure (5.1.22): Search Book Information”, admins can search for a book to check it’s availability and other basic information.

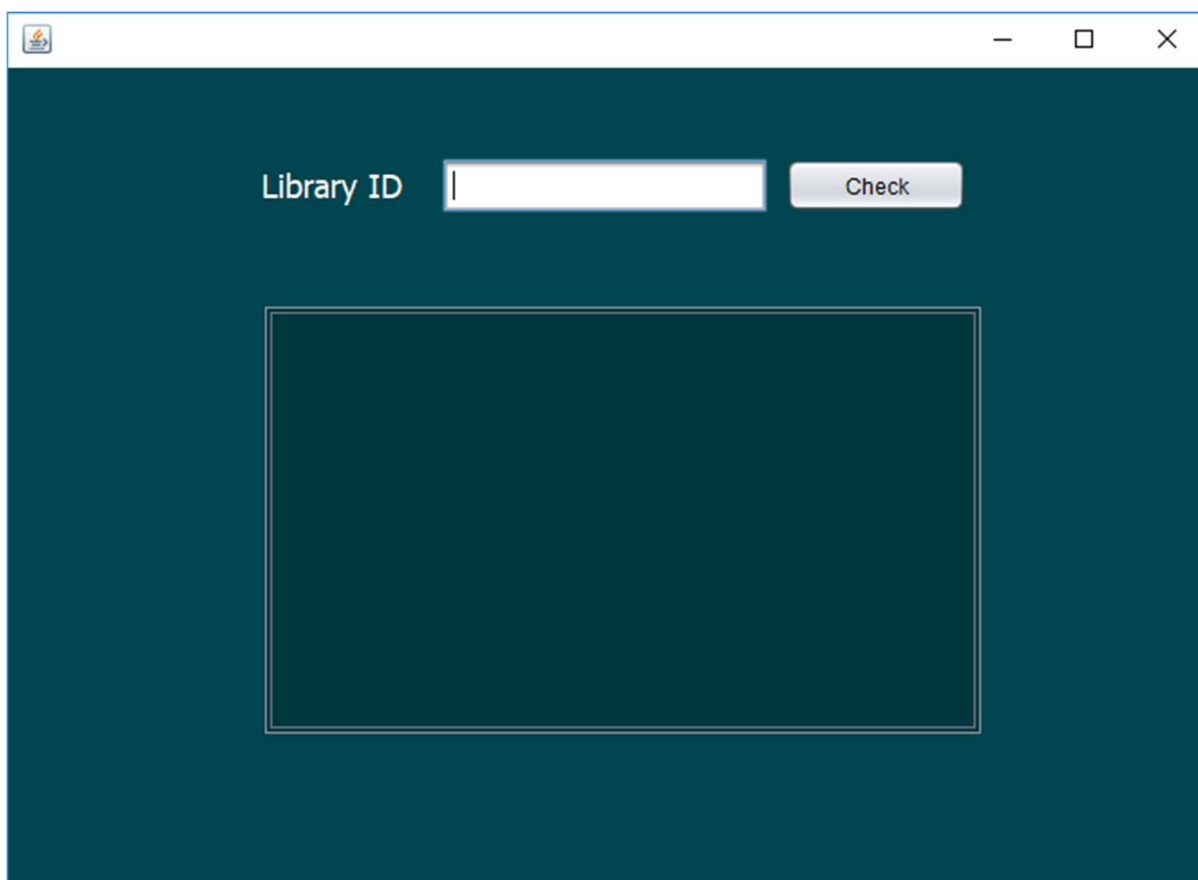


The image shows a software window titled "Search a Book". Inside the window, there are two search options: "Search by Name" and "Search by ID". Each option has a corresponding text input field. The "Search by Name" field is currently active, with a cursor visible. Below these input fields is a large, empty rectangular area, likely intended for displaying search results. The window has a standard title bar with minimize, maximize, and close buttons.

*Figure (5.1.22): Search Book Information*

### 3.3.3 Clearance Check

In the panel “Figure (5.1.23): Clearance Check”, librarian will check whether a student is still a borrower or not. It may necessary before issuing certificate of a student who is a member of the library.

The image shows a web browser window with a dark teal background. At the top, there is a header bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. Below the header, the text "Library ID" is displayed in white. To its right is a white text input field. Further right is a light gray button with the word "Check" in dark gray. Below these elements is a large, empty rectangular box with a thin white border, intended for displaying the results of the clearance check.

*Figure (5.1.23): Clearance Check*

# Thank u