

Unified Portal for Hall Automation

User Manual

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Software Overview

The software assigns one of five roles to each user: Student, Hall Manager, Mess Manager, Canteen Manager, and Sports Secretary. Each user has access to certain bits of information and can alter some parts of the database as outlined in the SRS.

There can be at most one account whose role is Canteen Manager, Hall Manager, Mess Manager and Sports Secretary. System Administrators are requested to create and hand over these accounts when the system is deployed to prevent miscreants from taking these roles.

The developers have tried to keep the interface intuitive, and most users should be able to use the portal without assistance. Those who face any difficulty are suggested to go through the manual.

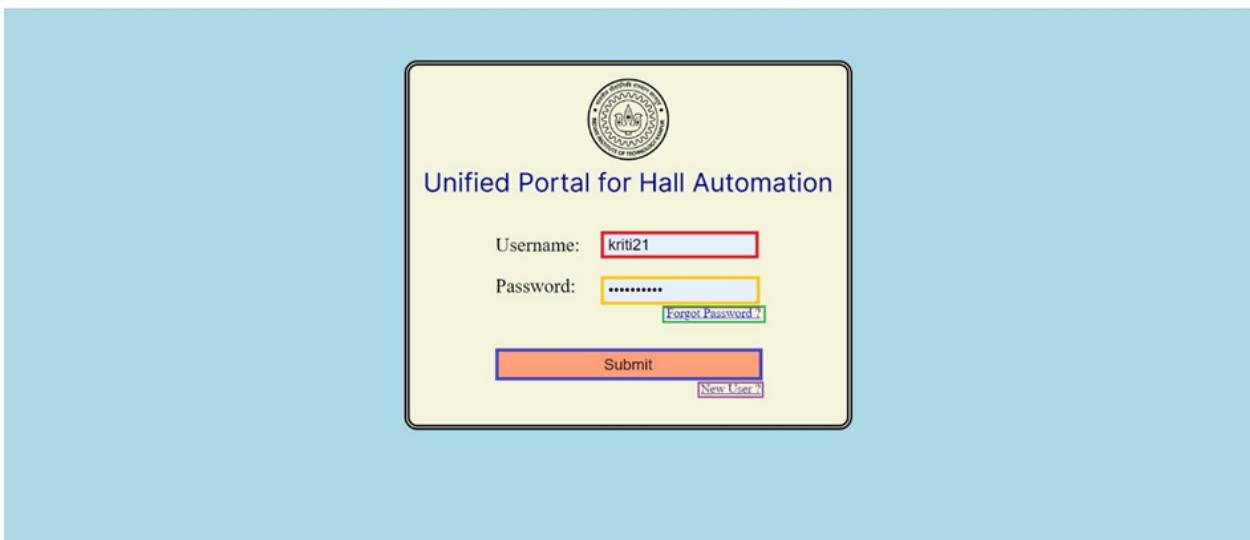
A list of functionalities available to each user may be found in the index.

System Requirements:

As the software is a web portal, the only requirement is that a modern web browser be installed on the PCs of the user. Users are suggested to use this version of the portal on their PCs rather than their phones.

Currently, the portal is hosted at upha.pythonanywhere.com.

Registration and Login

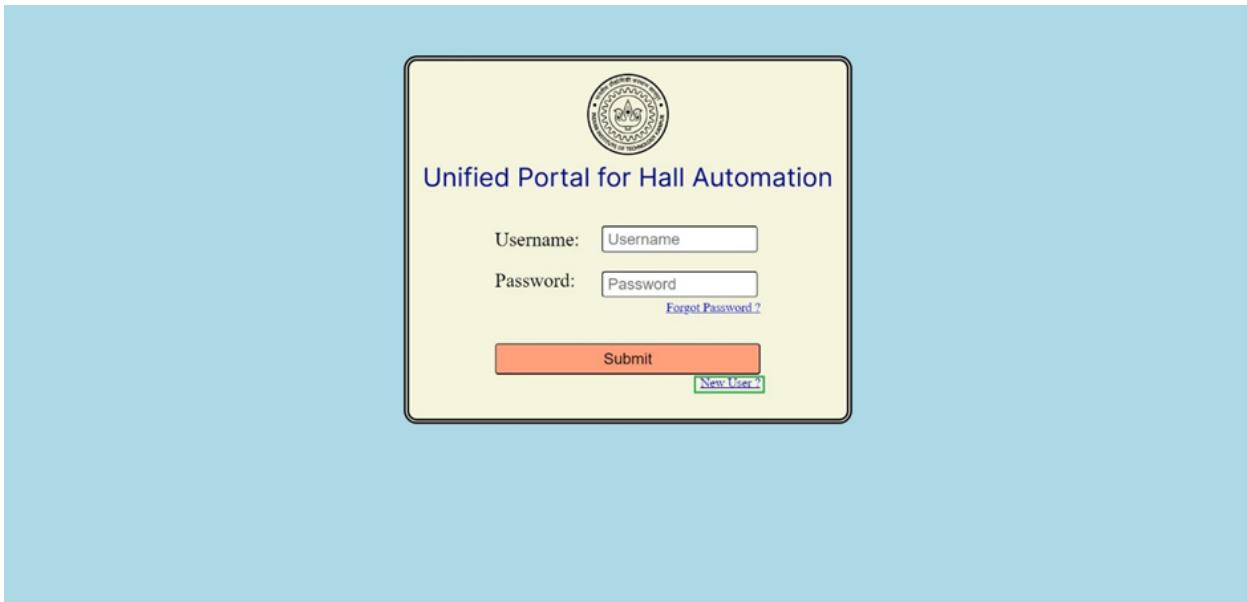


This is the main Login and Registration page.

- Username: Registered Username of the user
- Password: Password set by the user
- Forgot Password: To reset the password
- Submit: Submitting the login credentials
- New User: In case of new registration

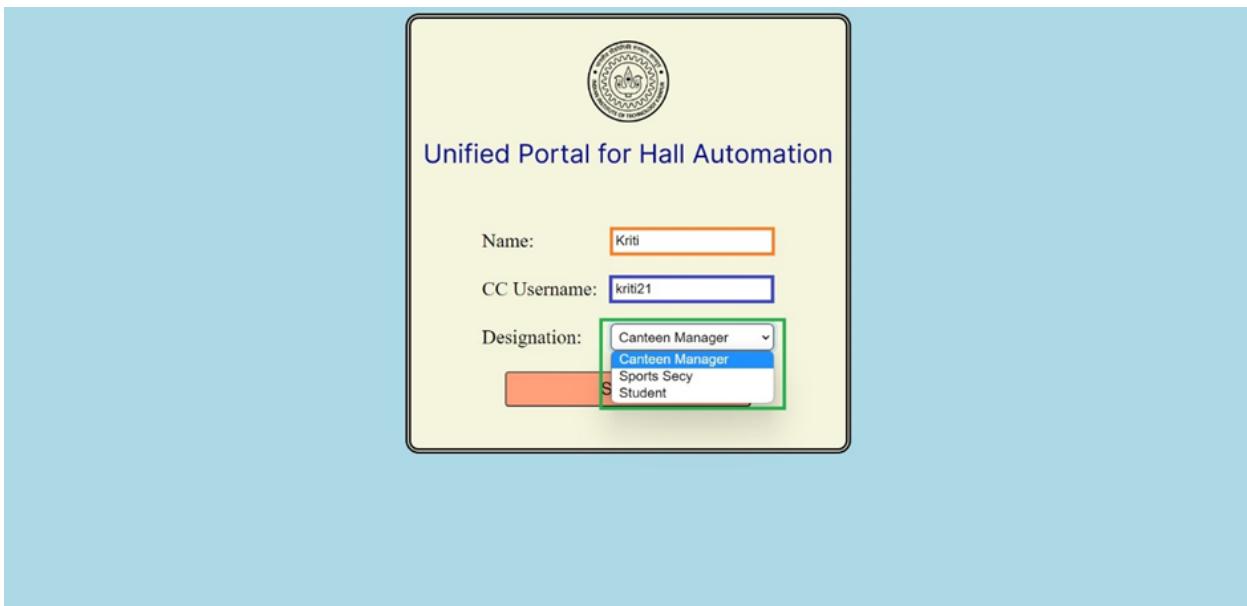
Further functionalities such as New Registration, Login, and Forgot Password are discussed below:

Registration



- New User: For new registration.

The user is provided with an option for new registration. The user needs to click on the “**New User ?**” (Shown in green rectangle).



After clicking, the user is automatically taken to this page.

- Name: Name of the user
- CC Username: CC Username of the user
- Designation: Designation of the user- Canteen Manager, Sports Secy, Student
- Submit: Submitting the details after filling

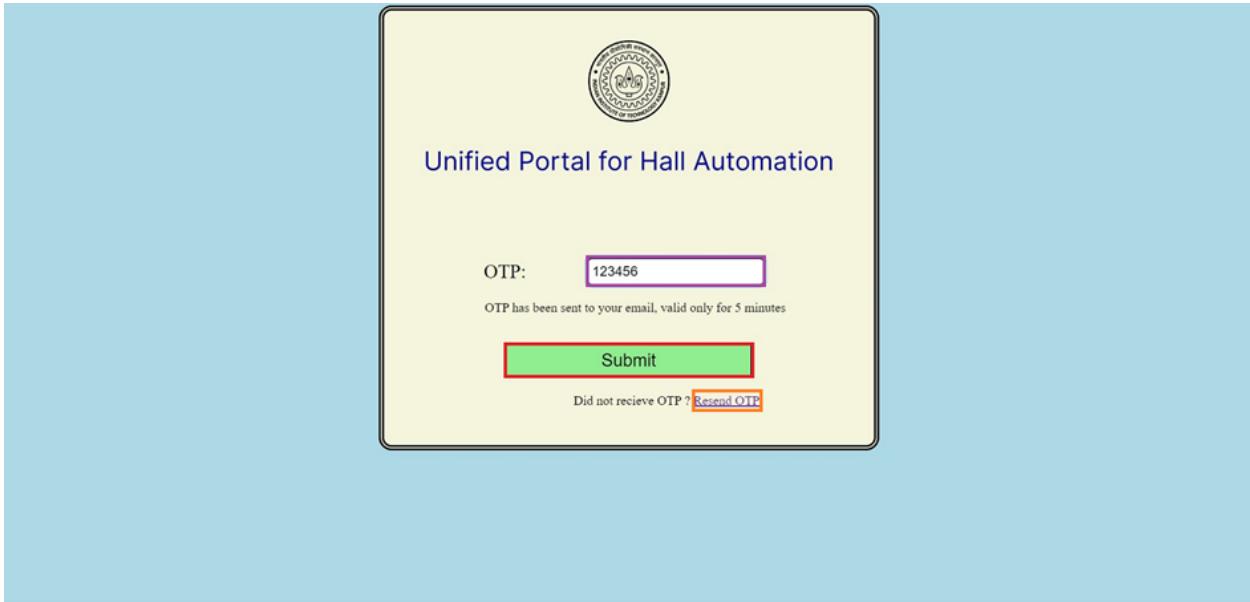
The user needs to fill his name in the “**Name**” field (shown in orange rectangle), his CC Username in the “**CC Username**” field (shown in purple rectangle). Then he must select his “**Designation**” from the drop-down menu (shown in green rectangle). He can select Canteen Manager, Sports Secy or Student.

The image shows a screenshot of a web application titled "Unified Portal for Hall Automation". At the top center is the IITK logo. Below it, the title "Unified Portal for Hall Automation" is displayed. There are three input fields: "Name" with the value "Kriti", "CC Username" with the value "kriti21", and "Designation" set to "Student". A red rectangular box highlights the "Submit" button at the bottom.

Next the User clicks on the “**Submit**” button (Shown in red rectangle) after filling the details.

The image shows the same web application as before, but now the "CC Username" field contains "IITK username". A green rectangular box at the top of the form displays the error message: "This Username has been already taken. Please check your username." The "Submit" button is highlighted with a red rectangle.

If the CC Username entered has been already taken, then it takes the user to the same page displaying the message “**The Username has been already taken. Please check your username.**” (Shown in green rectangle). Now, the user needs to fill again the correct details and click submit.

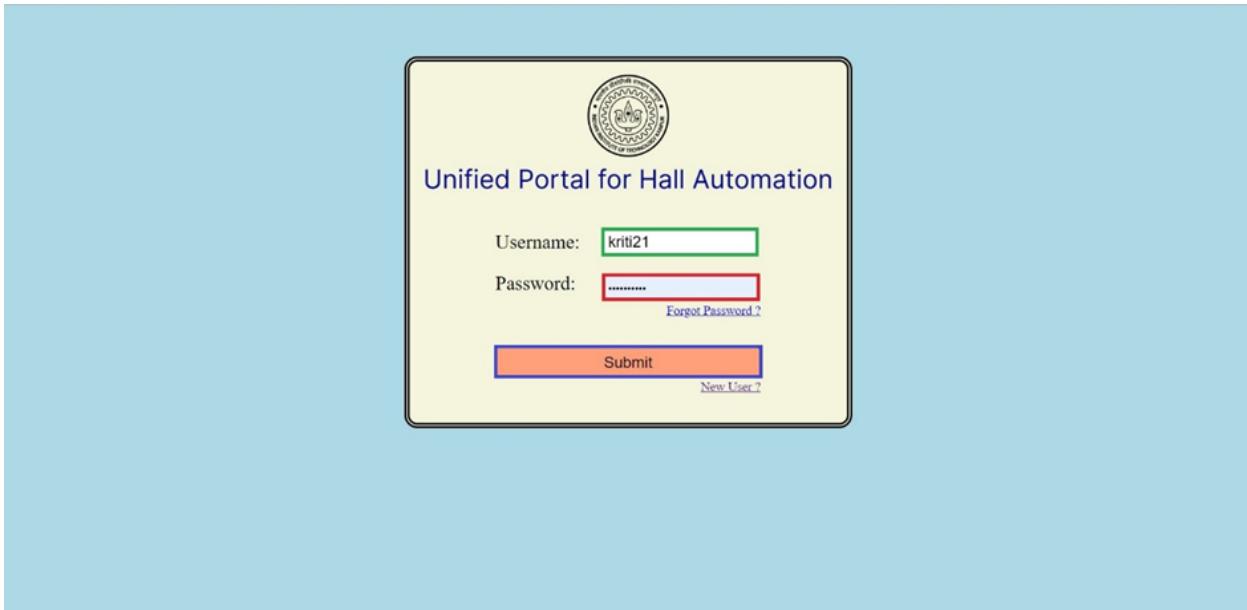


Filling the correct details takes the user to the OTP Submission page.

- OTP: OTP received in CC Email ID
- Submit: Submitting the OTP
- Resend OTP: To resend the OTP to the user

The User must enter the OTP which he receives in the CC mail id under the “OTP” field (shown in purple rectangle) and then click on the “Submit” option (shown in red rectangle). If the user has not received the OTP, then he needs to click on “Resend OTP” (shown in orange rectangle) to resend the OTP to his CC Email ID. After clicking the Resend OTP option, the user is sent an OTP and taken to the same page again to fill the OTP. After clicking on the “Submit” option, the new user is registered, and he is taken to the Login page.

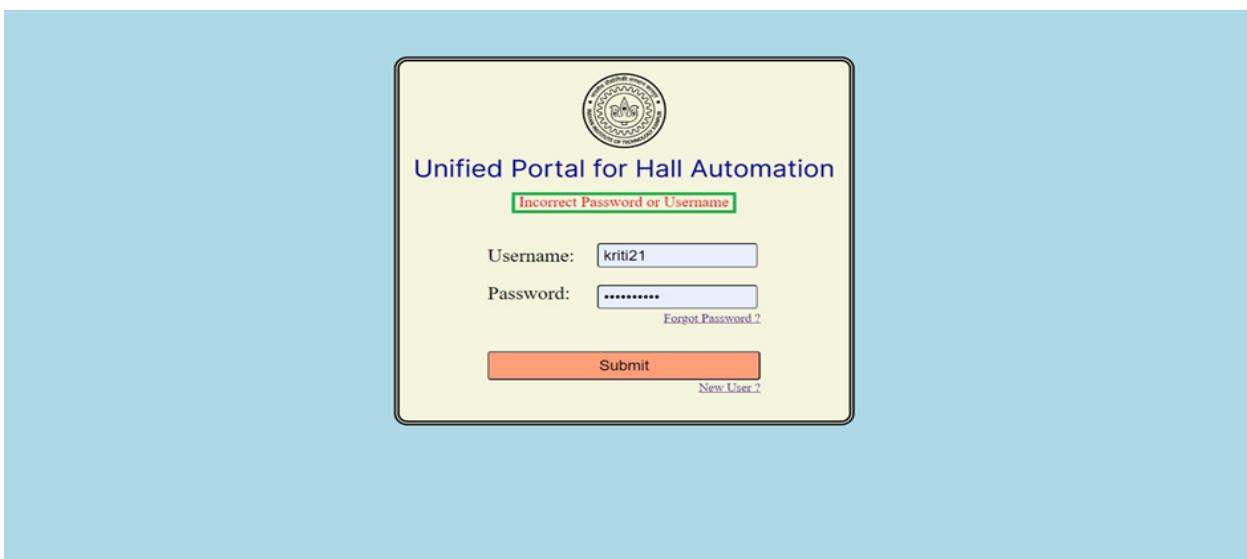
Login



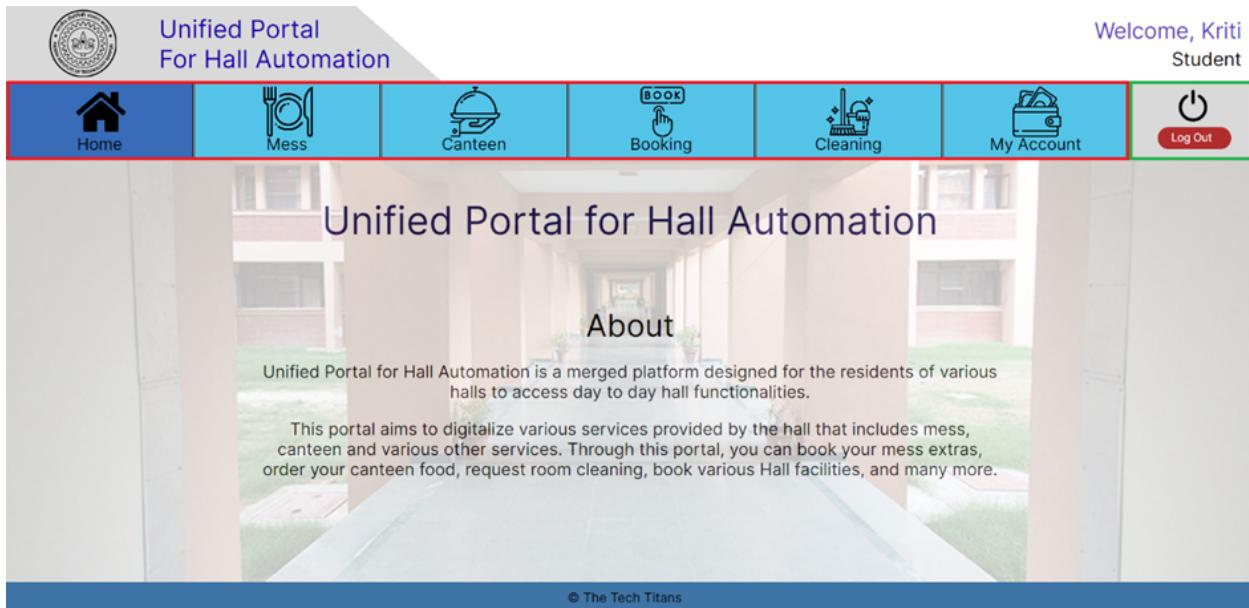
This is the main Login page.

- Username: CC Username of the registered user
- Password: Password of the registered user
- Submit: Submitting the login credentials

The registered user needs to fill his login credentials. He needs to enter his registered CC Username in the “**Username**” field (shown in green rectangle) and the password for it in the “**Password**” field (shown in red rectangle). After filling the login details, the user needs to click on the “**Submit**” option (shown in blue rectangle).



If the user entered the incorrect login details, it takes the user to the same page displaying a message at the top that says, “**Incorrect Password or Username**” (shown in green rectangle).

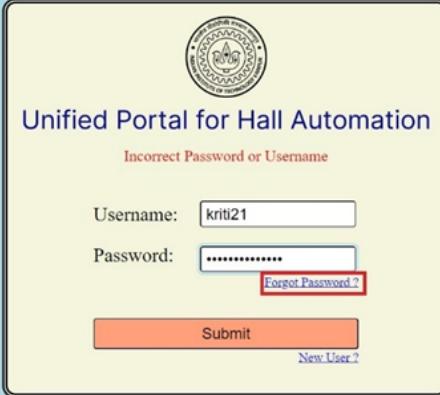


- Home: Displays the homepage of the portal
- Mess: Displays the mess services
- Canteen: Displays the canteen services
- Booking: Displays the booking services
- Cleaning: Displays the cleaning services and requests
- My Account: Displays the information about the User’s Account
- Log Out: To log out the user profile.

If the submitted details are correct, the user is taken to the main homepage as shown above. The homepage displays the information about the Unified Portal for Hall Automation. The user can click on any section- “**Home, Mess, Canteen, Booking, Cleaning, My Account, Log Out**” (shown in the red rectangle) to go into that section. The user needs to click on “**Log Out**” option (shown in green rectangle) to log out.

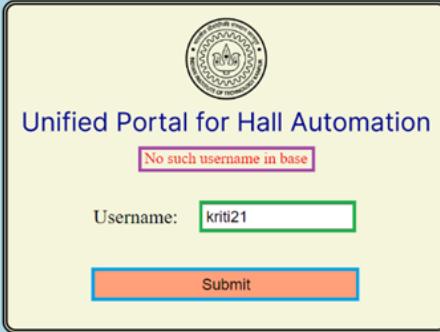
Forgot Password

- Forgot Password: If the user needs to reset his password.



The screenshot shows the login interface of the Unified Portal for Hall Automation. At the top is the portal's logo. Below it, the title "Unified Portal for Hall Automation" is displayed. A red rectangular box highlights the text "Incorrect Password or Username" which appears above the input fields. The "Username" field contains "kriti21". The "Password" field contains several dots. To the right of the password field is a red rectangular box containing the text "Forgot Password?". Below these fields is an orange "Submit" button. At the bottom of the form, there is a link "New User?".

If the user has forgotten the password and is not able to login, he can reset his password by clicking on the "**Forgot Password?**" Option (shown in red rectangle)

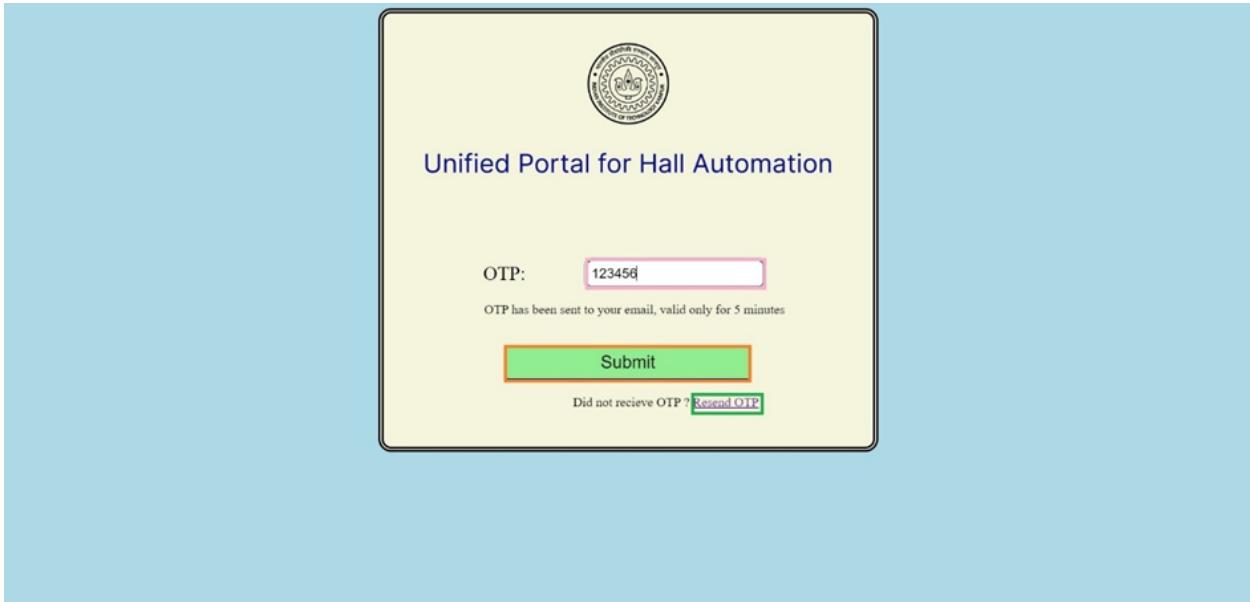


The screenshot shows the login interface again. This time, the text "No such username in base!" is displayed in a red box above the "Username" field. The "Username" field now contains "kriti21", which is highlighted with a green rectangle. Below the field is an orange "Submit" button.

- Username: The registered CC Username of the user
- Submit: Submitting the Username of the user

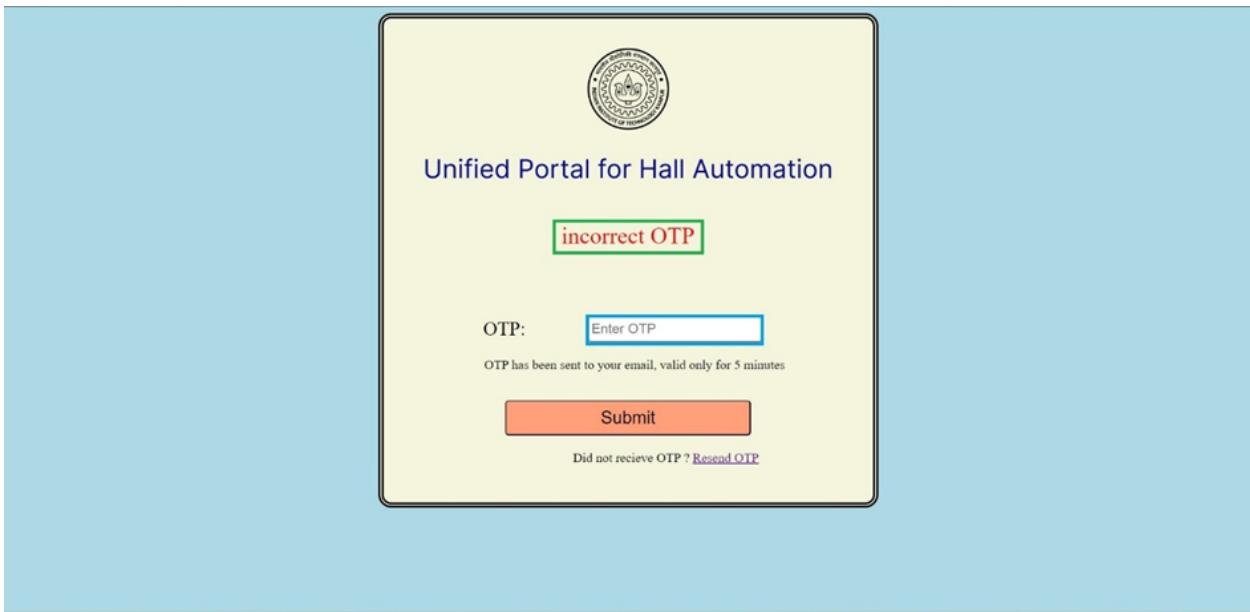
Now the user is taken to the next page, where he needs to submit his registered CC Username in the "**Username**" field (shown in green rectangle). After filling the CC Username, the user must

click on the “Submit” option (shown in blue rectangle). If the submitted CC Username is incorrect, then the user is taken back to the same page and a message is displayed at the top of the page which says, “**No such username in base**” (Shown in purple rectangle). Now, the user needs to enter the correct username and click on the “Submit” option again.

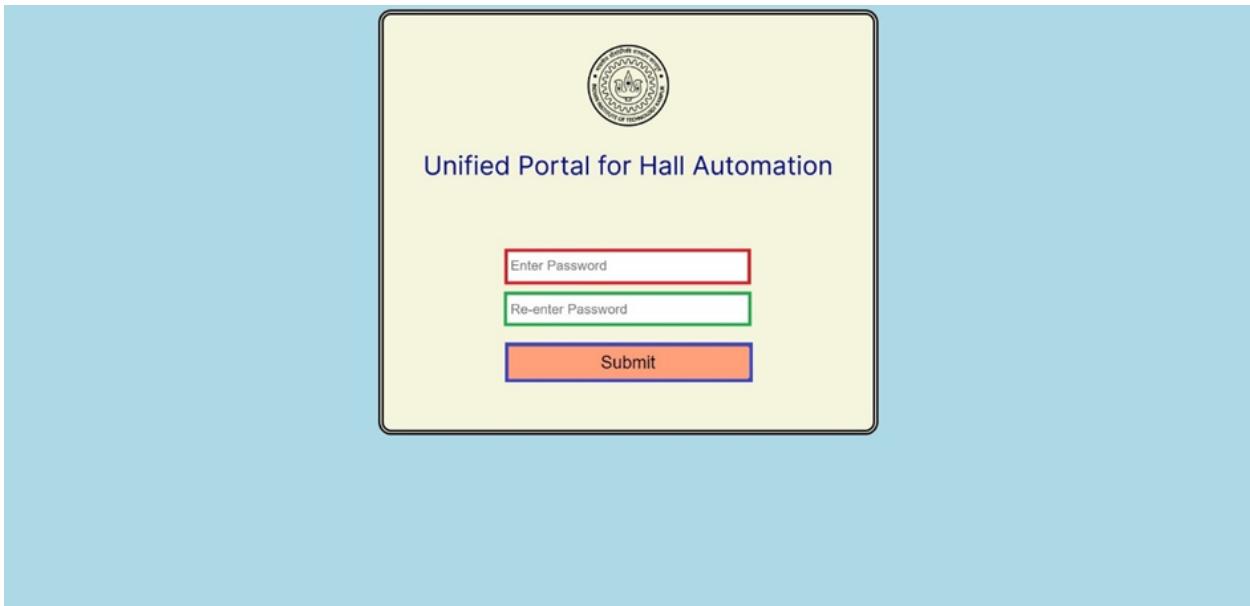


- OTP: OTP received in registered CC Email ID
- Submit: Submitting the OTP after filling it
- Resend OTP: To resend the OTP.

Now, the user receives an OTP on the registered Email ID. The user needs to put the OTP in the “OTP” field (shown in pink rectangle) and click on the “Submit” option (shown in red rectangle). If the user has not received the OTP, he may ask to resend the OTP by clicking on the “Resend OTP” option (shown in green rectangle).



If the user has entered an incorrect OTP, then a message is displayed at the top which says, “**incorrect OTP**” (Shown in **green** rectangle). Now, the user needs to enter the correct OTP in the “**OTP**” field (shown in **blue** rectangle) again.



- Enter Password: Set the new password.
- Re-enter Password: Enter the same new password.

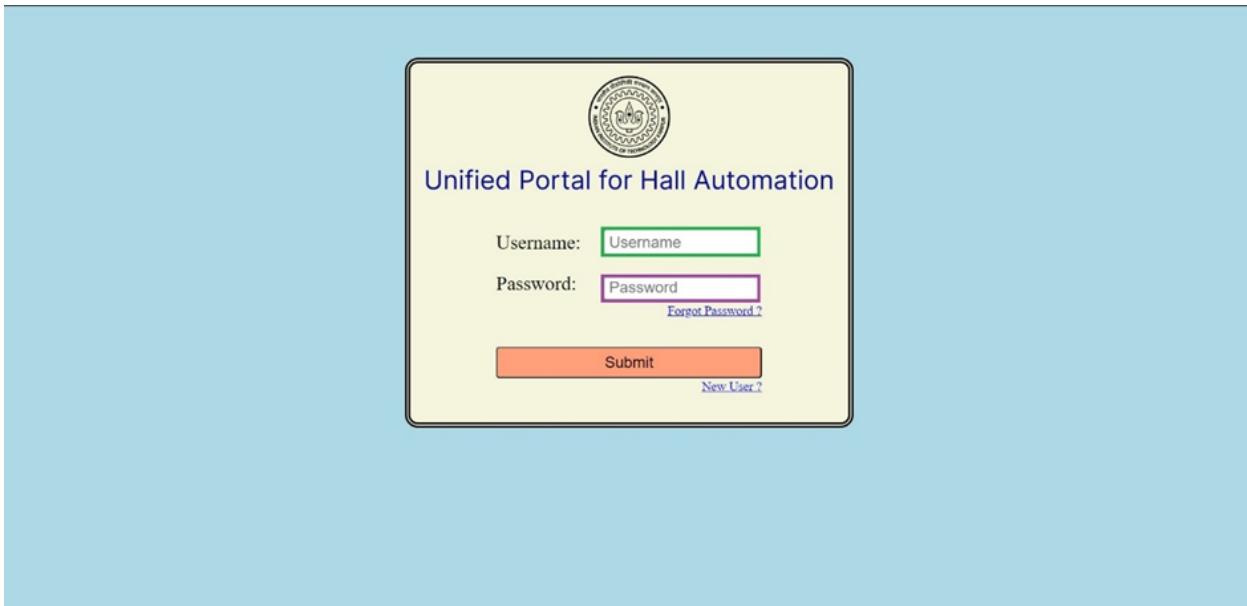
Submitting the correct OTP takes the user to the next page where he is asked to set his password. The user must enter his new password in the “**Enter Password**” field (shown in the

red rectangle) and then re-enter the same password in the “**Re-enter Password**” field (shown in green rectangle).

Note that the password must contain:

- 8 to 20 characters
- one number
- one Uppercase character
- one Lowercase character
- one Alpha character

Now, the user clicks on the “**Submit**” option (shown in blue rectangle).



- Username: Enter the registered CC Username
- Password: Enter the new password.

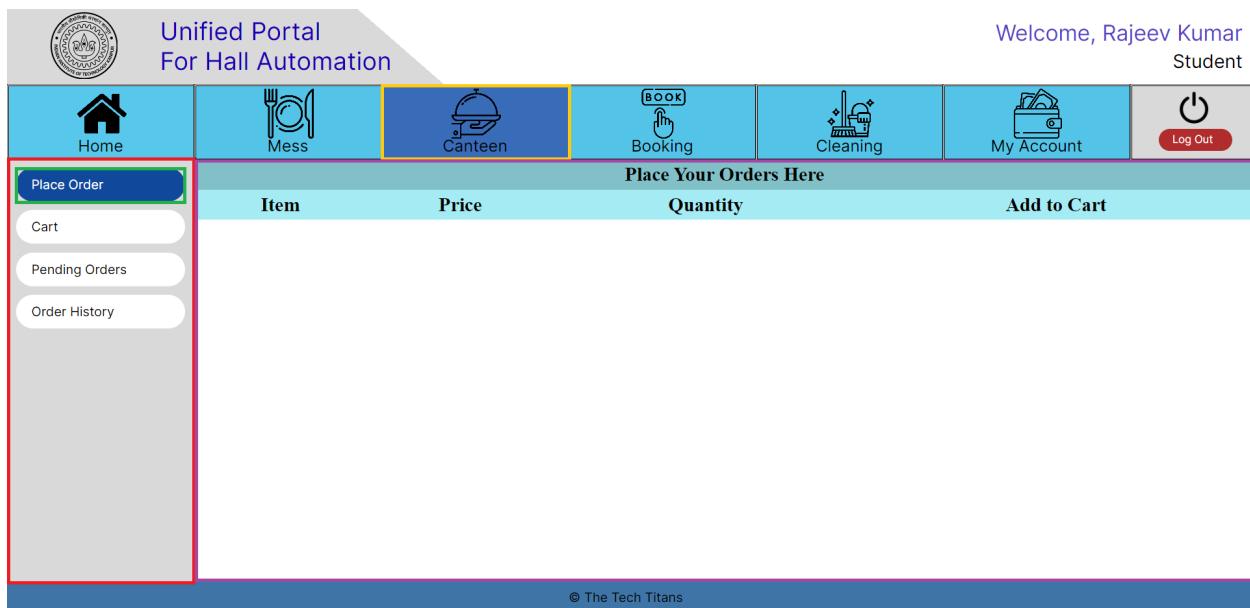
On submitting, the user is taken to the main Login page where he needs to enter his username in the “**Username**” field (shown in green rectangle) and his new password in the “**Password**” field (shown in purple rectangle).

Student

Canteen

The canteen section for a student consists of 4 subsections:-

1. Place Order
2. Cart
3. Pending Orders
4. Order History



To navigate to the canteen section, click on “Canteen” shown in the **Golden** rectangle in the image above. After clicking, a panel consisting of all subsections will appear on the left-hand side as shown in the **Red** rectangle in the image above with by default the opening of the first section which is “Place Order”. To move to a subsection click on that subsection. After clicking, a **Dark Blue** colour (as indicated in the **Green** rectangle in the image above) will appear on that section and you will be shown the content of that subsection in the main frame marked by the **Purple** rectangle.

Let's start with the subsections.

Place Order

Place Your Orders Here				
	Item	Price	Quantity	Add to Cart
Cart	Paneer Roll	35	<input type="button" value="8"/>	<input type="button" value="Add Item to Cart"/>
Pending Orders	Chicken Roll	45	<input type="button" value="1"/>	<input type="button" value="Add Item to Cart"/>
Order History	Maggie	27	<input type="button" value="1"/>	<input type="button" value="Add Item to Cart"/>
	Masala Maggie	35	<input type="button" value="1"/>	<input type="button" value="Add Item to Cart"/>
		20	<input type="button" value="1"/>	<input type="button" value="Add Item to Cart"/>

- Item- Name of the food item available in the canteen
- Price- Rate of the food item
- Quantity- Quantity of the food item. By default, it's set to 1. But, you can set it according to your need by clicking on buttons in the Purple box in the Green box shown in the image above.
- Add to Cart- To add a food item to cart, click on the "Add Item to Cart" button shown by the Red rectangle in the image above.

In the main frame of **Place Order** subsection, you have been provided with a list of food items available in the canteen and their price. To add a food item to your cart, you need to select the quantity of food item by clicking on buttons in the Purple box in the Green box shown in the image above, and then click on the "Add Item to Cart" button shown by the Red box in the image above.

Cart

Welcome, Rajeev Kumar
Student

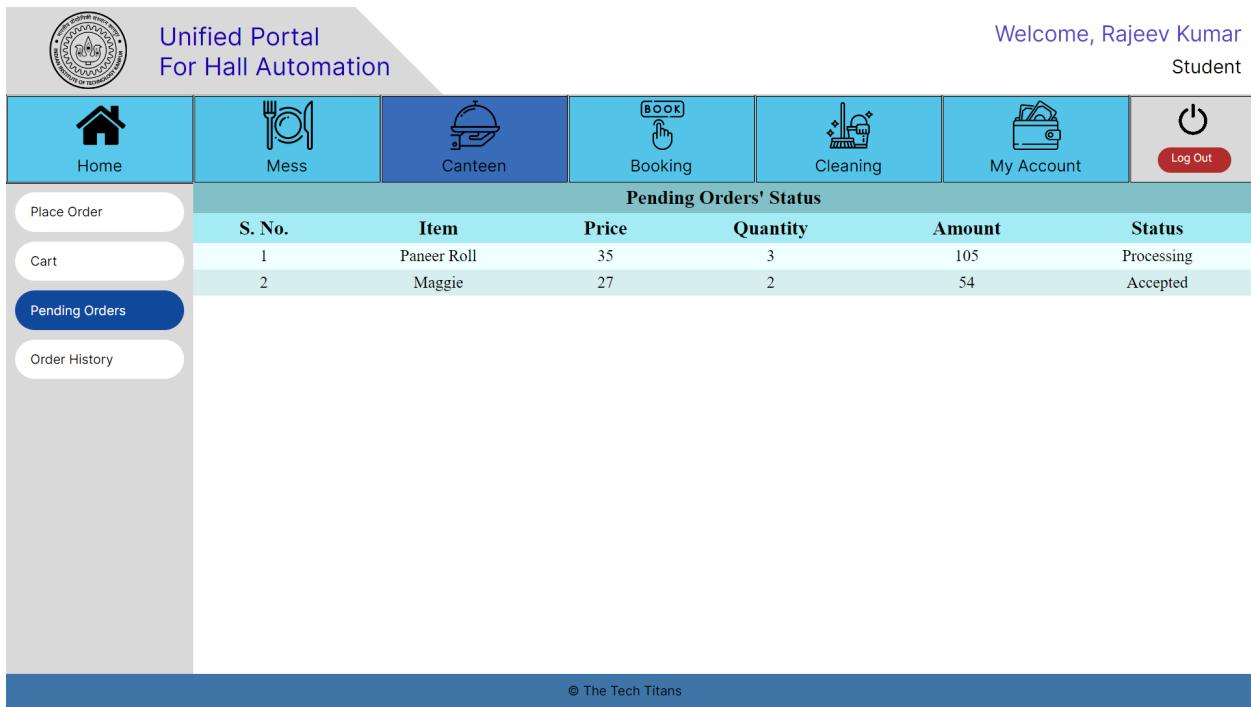
Customise Your Cart Here						
	S. No.	Item	Price	Quantity	Amount	Remove
Place Order	1	Paneer Roll	35	3	105	Remove
Cart	2	Chicken Roll	45	1	45	Remove
Pending Orders	3	Maggie	27	2	54	Remove
Order History				Total Amount = 204		Book

© The Tech Titans

- Item- Name of the food item
- Price- Rate of the food item
- Quantity- Quantity of the food item
- Amount- Price of the food item corresponding to the quantity selected (Price x Quantity)
- Remove- To remove a food item from the cart, you need to click on the “Remove” button shown by the Red box in the image above.
- Total Amount- Total amount of food item in the cart
- Book- To book the order, you need to click on the “Book” button shown by the Green box in the image above.

In the main frame of the **Cart** subsection, you have been provided with a list of food items in your cart. To remove a food item from your cart, you need to click on the “Remove” button shown by the Red box in the image above. To book the order, you need to click on the “Book” button shown by the Green box in the image above.

Pending Orders



- Item- Name of the food item
- Price- Rate of the food item
- Quantity- Quantity of the food item
- Amount- Price of the food item corresponding to the quantity selected (Price x Quantity)
- Status- Status of the food item. Following are the three possible status:-
 - Processing- Canteen manager has not reacted on your order
 - Accepted- Canteen manager has accepted your order and is yet to be served
 - Served- Your order is ready to be served.

In the main frame of the **Pending Orders** subsection, you have been provided with a list of pending orders and their status. If the canteen manager rejects your order, the order will no longer be displayed in the “Pending Orders” subsection, and will be moved to the “Orders History” subsection.

Order History

The screenshot shows a web-based hall automation portal. At the top right, a welcome message reads "Welcome, Rajeev Kumar" and "Student". Below the header is a navigation bar with icons for Home, Mess, Canteen, Booking, Cleaning, My Account, and Log Out. On the left, a sidebar lists Place Order, Cart, Pending Orders, and Order History, with Order History being the active tab. The main content area displays an "Order History" table with the following data:

S. No.	Date	Item	Quantity	Price	Amount	Status
1	March 26, 2023	Chicken Roll	1	45	45	Failed
2	March 25, 2023	Masala Maggie	1	35	35	Successful
3	March 25, 2023	Maggie	1	27	27	Successful
4	March 25, 2023	Maggie	2	27	54	Successful
5	March 25, 2023	Chicken Roll	1	45	45	Failed
6	March 25, 2023	Paneer Roll	3	35	105	Failed

At the bottom of the page, a footer note says "© The Tech Titans".

- Date- Date on which the order was placed
- Item- Name of the food item
- Price- Rate of the food item
- Quantity- Quantity of the food item
- Amount- Price of the food item corresponding to the quantity selected (Price x Quantity)
- Status- Status of the food item. Following are the two possible status:-
 - Successful- Order was accepted and served by the canteen manager. You have made payment of the order either on-spot or the corresponding amount has been added to your canteen dues.
 - Failed- Order was rejected by the canteen manager

In the main frame of the **Order History** subsection, you have been provided with a list of your previous orders and their status.

Mess

The mess section for a student has 5 subsections:-

1. Regular Menu
2. Extras
3. Validate Order
4. Order History
5. Apply for Rebate

Unified Portal
For Hall Automation

Welcome, IamStudent_1
Student

Home Mess Canteen Booking Cleaning My Account Log Out

Regular Menu					
S. No.	Day	Meal	Items	Average Rating	Please Rate
1	Monday	Breakfast	Chai	☆ 5.00	★★★★★
2	Monday	Breakfast	Biscuits	☆ 3.00	★★★★★
3	Monday	Lunch	egg fry	☆ 2.00	★★★★★

© The Tech Titans

- To navigate to the Mess section Click on the “Mess” shown in the **Golden** rectangle in the image above. A panel consisting of all 5 subsections will appear on the left-hand side as shown in the **Red** rectangle.
- By default, you are taken to the first section which is the **“Regular Menu”**. To access another subsection, say “Menu”, click on it. The colour of that button changes to **Dark Blue** (as shown in the **Green** rectangle in the image above). Its content appears in the main frame inside the **Purple** rectangle.

Regular Menu

- Day- Day of the Meal.
- Meal- Breakfast, Lunch, or Dinner.
- Items- Food items that will be served in the Meal.
- Average Rating- Average of all the ratings provided till now.
- Please Rate- Option to provide a rating on the corresponding Meal by the user.

Welcome, IamStudent_1
Student

S. No.	Day	Meal	Items	Average Rating	Please Rate
1	Monday	Breakfast	Chai	★ 5.00	★ ★ ★ ★ ★
2	Monday	Breakfast	Biscuits	★ 3.00	★ ★ ★ ★ ★
3	Monday	Lunch	egg fry	★ 2.00	★ ★ ★ ★ ★

- In the main frame of the **Regular Menu**, User has been provided with today's Menu. On the right-hand side, There is a Rating option with a "Please Rate" heading.
- Normally the Rating option appears as indicated in the Red rectangle in the image above. In order to rate the meal you have to click on one of the stars. Clicking on the 1st star from the right indicates a 1-star rating, the 2nd star indicates a 2-star rating, and so on. Let's say you hover your mouse on the 3rd star then the first 3 stars will start to glow as shown in the Green rectangle in the image above.

Welcome, IamStudent_1
Student

S. No.	Day	Meal	Items	Average Rating	Please Rate
1	Monday	Breakfast	Chai	★ 5.00	★ ★ ★ ★ ★
2	Monday	Breakfast	Biscuits	★ 4.00	★ ★ ★ ★ ★
3	Monday	Lunch	egg fry	★ 2.00	★ ★ ★ ★ ★

- As You Provide the rating, the average rating will change and is indicated in the Average Rating section of the Meal.
- Also your last provided rating is considered and previous ones are removed.

Extras

- Item- Food items that will be served in the Meal.
- Meal Date- Date of the Meal.
- Meal- Breakfast, Lunch, or Dinner.
- Start Time- The time after which the user can book extras.
- End Time- The time till which the user will be able to book extras.
- Orders Left- No. of orders Left.
- Rate- Cost per item.
- Quantity- Number of items the user wishes to order.
- Status- It has a Book button in order to book extras.

The screenshot shows a web-based portal for hall automation. At the top, there's a header with the logo of 'The Tech Titans' and the text 'Unified Portal For Hall Automation'. On the right, it says 'Welcome, IamStudent_1 Student'. Below the header is a navigation bar with icons for Home, Mess, Canteen, Booking, Cleaning, My Account, and Log Out. The 'Booking' icon is highlighted with a yellow background. To the left of the main content area, there's a sidebar with buttons for Regular Menu, Extras (which is selected and highlighted in blue), Validate Order, Order History, and Apply for Rebate. The main content area is titled 'Extras Menu and Booking'. It contains a table with the following data:

S. No.	Item	Meal Date	Meal	Start Time	End Time	Orders Left	Rate	Quantity	Status
1	Paneer Do Pyaza	March 27, 2023	Lunch	March 27, 2023, 12:30 p.m.	March 28, 2023, 2:30 p.m.	97	40	<input type="text" value="2"/> <input type="button" value="Book"/>	<input type="button" value="Book"/>
2	Moong Dal ka Halwa	March 27, 2023	Dinner	March 27, 2023, 12:30 p.m.	March 27, 2023, 2:30 p.m.	100	25	<input type="text" value="1"/> <input type="button" value="Book"/>	<input type="button" value="Book"/>
3	Aloo Bhujia	March 27, 2023	Breakfast	March 27, 2023, 7:30 a.m.	March 27, 2023, 9:30 a.m.	200	5	<input type="text" value="1"/> <input type="button" value="Book"/>	<input type="button" value="Book"/>

The 'Quantity' column for each row is highlighted with a red rectangle. The 'Status' column contains buttons for booking. At the bottom of the page, there's a footer with the text '© The Tech Titans'.

- In the main frame of the **Menu** subsection, a list of the extras available on the current day is shown.
- On the right-hand side, in the “**Quantity**” column (shown in a **Red** rectangle) select the number of items you want to order.
- The default value is 1. It can be changed by typing in the input field or the buttons that appear when you hover the mouse over it.

The screenshot shows a web-based portal for hall automation. At the top right, a welcome message reads "Welcome, IamStudent_1 Student". The top navigation bar includes links for Home, Mess, Canteen, Booking, Cleaning, My Account, and Log Out. On the left, a sidebar lists options like Regular Menu, Extras (which is selected), Validate Order, Order History, and Apply for Rebate. The main content area displays a table titled "Extras Menu and Booking" with the following data:

S. No.	Item	Meal Date	Meal	Start Time	End Time	Orders Left	Rate	Quantity	Status
1	Paneer Do Pyaza	March 27, 2023	Lunch	March 27, 2023, 12:30 p.m.	March 28, 2023, 2:30 p.m.	95	40	<input type="button" value="1"/>	<input type="button" value="Book"/>
2	Moong Dal ka Halwa	March 27, 2023	Dinner	March 27, 2023, 12:30 p.m.	March 27, 2023, 2:30 p.m.	100	25	<input type="button" value="1"/>	<input type="button" value="Book"/>
3	Aloo Bhujia	March 27, 2023	Breakfast	March 27, 2023, 7:30 a.m.	March 27, 2023, 9:30 a.m.	200	5	<input type="button" value="1"/>	<input type="button" value="Book"/>

Below the table, a message says "Order Booked". The footer of the page contains the text "© The Tech Titans".

- At the right end, you have the “**Status**” column (in the **Green** rectangle) containing the book button. After entering the desired quantity, click on the “**Book**” button (in the **Purple** rectangle). After booking, you will be shown a message to communicate the status of the order.

Validate Order

- Item- Food items that the user ordered.
- Quantity- Number of items the user ordered.
- Date- Date of an order.
- Meal- Breakfast, Lunch, or Dinner.
- Order Received?- It has an OK button to be pressed when the extra is served.

Welcome, IamStudent_1
Student

S. No.	Item	Quantity	Date	Meal	Order Received?
1	Paneer Do Pyaza	2	March 27, 2023	Lunch	<input type="button" value="OK"/>
2	Paneer Do Pyaza	1	March 27, 2023	Lunch	<input checked="" type="button" value="OK"/>
3	Paneer Do Pyaza	1	March 27, 2023	Lunch	<input type="button" value="OK"/>

- In the main frame of the **Validate Order** subsection, a list of Extras ordered by the user which has not been served appears.
- On the right end, there is an “Order Received?” column (shown in the **Green** rectangle) containing an “**OK**” button. On receiving the order, click on the OK button.

Welcome, IamStudent_1
Student

Order Validated

S. No.	Item	Quantity	Date	Meal	Order Received?
1	Paneer Do Pyaza	2	March 27, 2023	Lunch	<input type="button" value="OK"/>
2	Paneer Do Pyaza	1	March 27, 2023	Lunch	<input checked="" type="button" value="OK"/>

- Upon clicking on OK, you will be shown a message and the order will be moved to the “Order History” section.

Order History

- Booking Time- The time at which an order is booked by the user.
- Meal- Breakfast, Lunch, or Dinner.
- Item Name- A food item that the user ordered.
- Quantity- Number of items the user ordered.
- Rate- Cost per item.
- Amount- Total amount(Quantity*Rate) of the order.

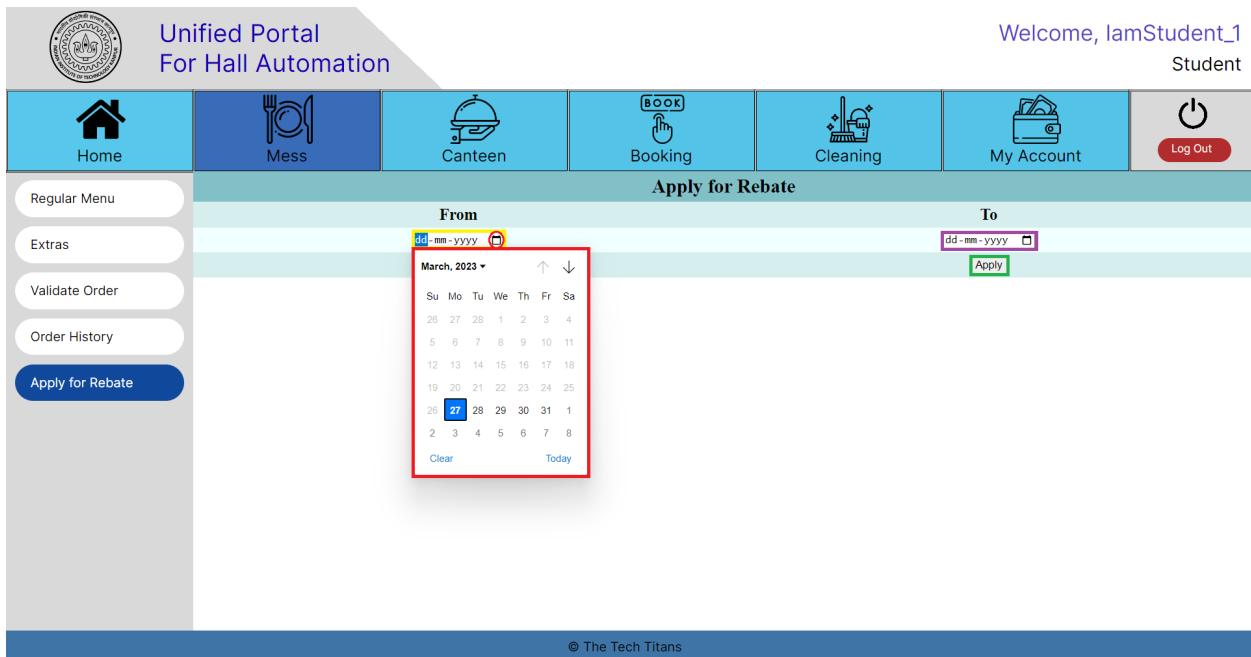
Welcome, IamStudent_1
Student

S. No.	Booking Time	Meal	Item Name	Quantity	Rate	Amount
1	March 27, 2023, 7:16 p.m.	Lunch	Paneer Do Pyaza	1	40	40
2	March 27, 2023, 7:11 p.m.	Lunch	Paneer Do Pyaza	1	40	40

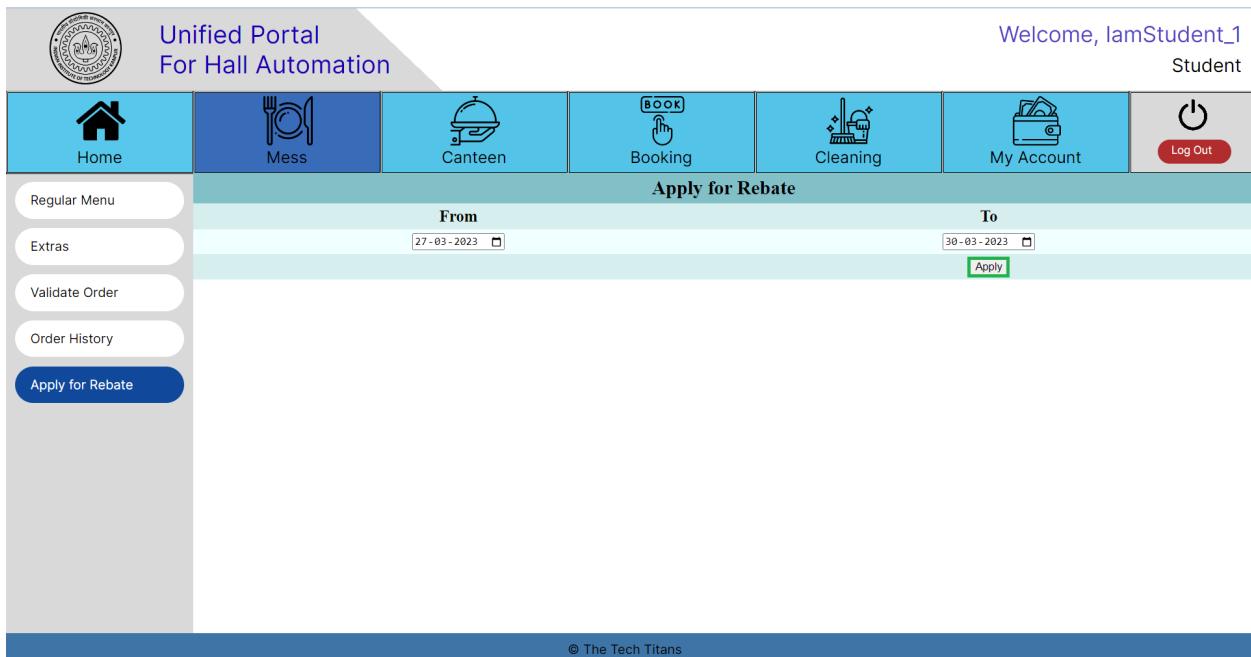
In the main frame of the **Order History**, User has been provided with the order history of Extras ordered by the user with the above information.

Apply for Rebate

- From- The user has to provide the start date of the Rebate.
- To- The user has to provide the end date of the Rebate.
- Apply- Apply Button to apply for Rebate.



- In the main frame of the **Apply for Rebate**, there are two date entry fields, **From** (shown in the **Yellow Rectangle**) and **To** (shown in the **Purple Rectangle**). Both can be filled by clicking on the characters (dd, mm, or yyyy) and typing in numbers.
- Or, you may select dates by clicking on the calendar icon (shown in the **Red Circle**) after which a box appears (shown in the **Red Rectangle**) where the user can select dates.



The screenshot shows the Unified Portal For Hall Automation interface. At the top right, it says "Welcome, IamStudent_1 Student". The main menu includes Home, Mess, Canteen, Booking, Cleaning, My Account, and Log Out. On the left, there's a sidebar with links for Regular Menu, Extras, Validate Order, Order History, and a prominent blue "Apply for Rebate" button. The central area has a green header bar with the text "Your rebate request has been sent to the mess manager. You will soon receive a confirmation email." Below this is a form titled "Apply for Rebate" with fields for "From" (dd-mm-yyyy) and "To" (dd-mm-yyyy), both with calendar icons, and an "Apply" button.

- After filling in the From and To dates, click on the Apply button (shown in the Green Rectangle). A message appears at the top of the frame.

Cleaning

Under the cleaning section, you can

- Lodge cleaning requests
- View a list of requests raised by you which have not been attended to, and mark them as complete
- View a list of requests raised by you in the past

There are three subsections in the section.

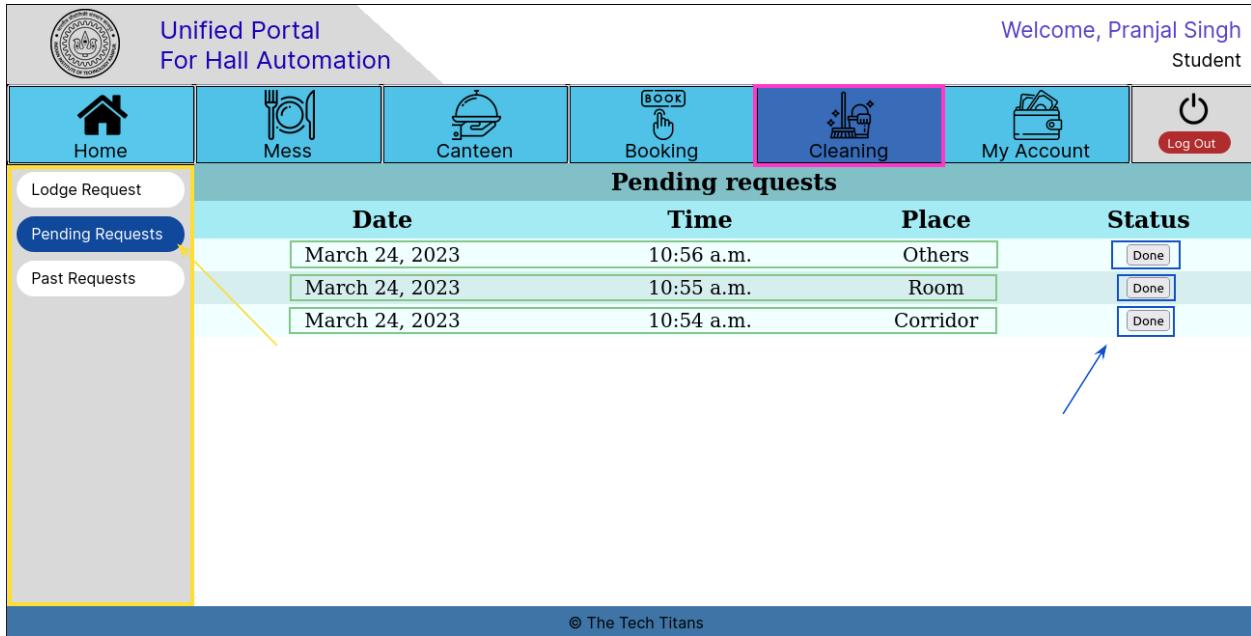
To navigate to the cleaning section, click on the “**Cleaning**” button in the yellow rectangle in the image in the following section. The subsections of the Cleaning section appear in the red rectangle on the left. By default, you are taken to the Lodge requests subsection.

Lodge a Cleaning Request

The screenshot shows the Unified Portal for Hall Automation interface. At the top, there is a header with the university logo, the text "Unified Portal For Hall Automation", and a welcome message "Welcome, Pranjal Singh Student". Below the header, there is a navigation bar with several icons: Home, Mess, Canteen, Booking, Cleaning (which is highlighted with a yellow background), My Account, and Log Out. On the left side, there is a sidebar with buttons for "Lodge Request" (highlighted with a blue rounded rectangle and a red arrow pointing to it), "Pending Requests", and "Past Requests". The main content area contains fields for "Your Room:" (with "E-147" entered), "What to clean:" (with "Corridor" selected), and a "Comments:" text area (containing "There are pieces of cake in the corridor from a birthday."). At the bottom right, there is a "Submit" button.

- To navigate to the cleaning section from another section, follow the instructions before this section of the document. If you are in a different section in the cleaning section, click on the “**Lodge Request**” button in the menu on the left, to which the red arrow points.
- Now, to lodge a request, the first step is to enter your room number in the input field on the right inside the green rectangle.
- Next, select one of the four options in the yellow rectangle, depending on whether your cleaning request corresponds to your room, your wing’s corridor, your wing’s toilet, or a different area.
- In the text box inside the pink rectangle, type in the details of the cleaning request. If you want your room to be cleaned, please mention when you will be available in your room.
- Finally, click on the “**Submit**” button inside the brown rectangle.

View Pending Requests and Mark as Complete



The screenshot shows the Unified Portal For Hall Automation interface. At the top, there is a navigation bar with icons for Home, Mess, Canteen, Booking, Cleaning (which is highlighted with a pink border), My Account, and Log Out. The welcome message "Welcome, Pranjal Singh Student" is displayed on the right. On the left, a sidebar has buttons for Lodge Request, Pending Requests (which is highlighted with a blue border and has a yellow arrow pointing to it), and Past Requests. The main content area is titled "Pending requests" and contains a table with columns: Date, Time, Place, and Status. There are three rows in the table, each representing a pending request. Each row has a "Done" button at the end. The rows are highlighted with green rectangles.

Date	Time	Place	Status
March 24, 2023	10:56 a.m.	Others	<input type="button" value="Done"/>
March 24, 2023	10:55 a.m.	Room	<input type="button" value="Done"/>
March 24, 2023	10:54 a.m.	Corridor	<input type="button" value="Done"/>

- Navigate to the cleaning/lodge requests page using the instructions at the start of the cleaning section of this manual.
- Click on the “**Pending Requests**” button in the panel on the left, identified by the **yellow** arrow.
- The details of your pending requests appear in the rows (in the **green** rectangles). When a request has been attended to, click on the “**Done**” button at the right end of the corresponding row (pointed to by the **blue** arrow).

View Past Requests

The screenshot shows the Unified Portal For Hall Automation interface. At the top, there is a navigation bar with icons for Home, Mess, Canteen, Booking, Cleaning (which is highlighted with a yellow border), My Account, and Log Out. The welcome message "Welcome, Pranjal Singh Student" is displayed on the right. On the left, a sidebar has three buttons: "Lodge Request", "Pending Requests", and "Past Requests", with "Past Requests" being highlighted by a red rectangle and a red arrow pointing to it from below. The main content area is titled "Request History" and contains a table with columns for Date, Time, and Place. Two rows of data are shown:

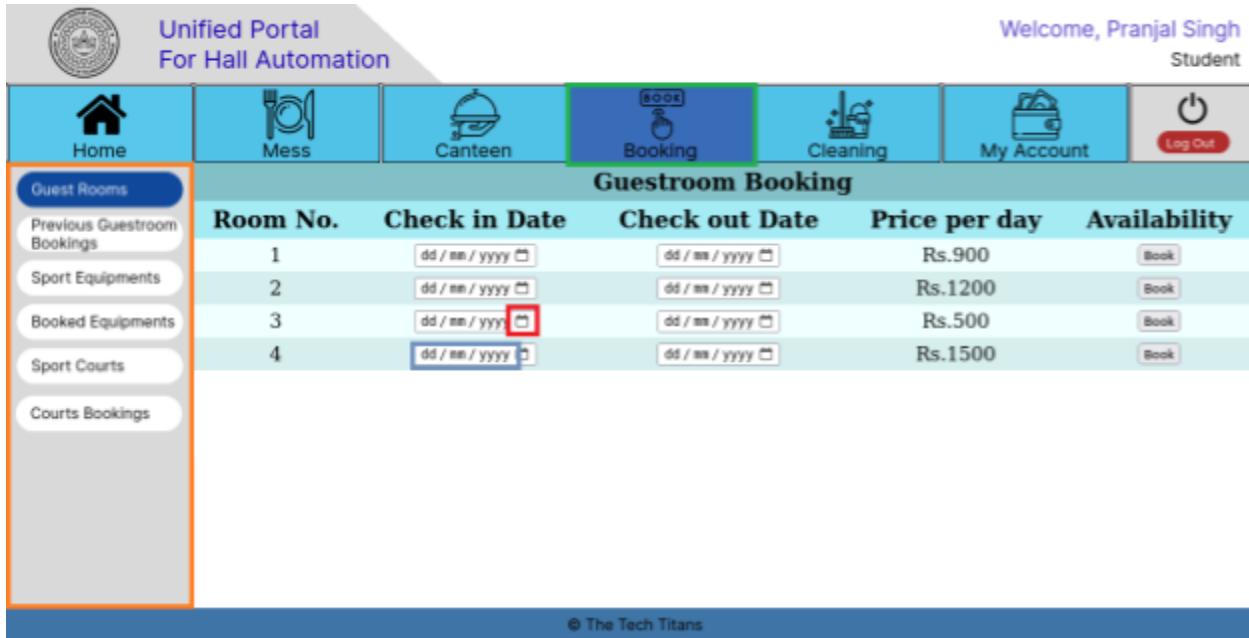
Date	Time	Place
March 24, 2023	10:56 a.m.	Others
March 24, 2023	10:54 a.m.	Corridor

- To navigate to the past requests subsection, first navigate to the cleaning section, and then click on the “**Past Requests**” button inside the red rectangle.
- Each past request appears as a row on the page. The green rectangles highlight how a request is shown on this page.

Booking Guest Rooms, Sports Courts and Sports Equipment

These options are available in the booking section. Head to the booking section by clicking on the “**Booking**” button in the **green** rectangle in the image in the following subsection.

Booking Guest Rooms



The screenshot shows a web-based portal interface. At the top, there's a header with a logo, the text "Unified Portal For Hall Automation", and a welcome message "Welcome, Pranjal Singh Student". Below the header is a navigation bar with several icons: Home (selected), Mess, Canteen, Booking (highlighted with a green rectangle), Cleaning, My Account, and Log Out. On the left side, there's a sidebar with a menu: Guest Rooms (selected, highlighted with an orange rectangle), Previous Guestroom Bookings, Sport Equipments, Booked Equipments, Sport Courts, and Courts Bookings. The main content area is titled "Guestroom Booking" and contains a table with columns: Room No., Check in Date, Check out Date, Price per day, and Availability. There are four rows of data:

Room No.	Check in Date	Check out Date	Price per day	Availability
1	<input type="text" value="dd/mm/yyyy"/>	<input type="text" value="dd/mm/yyyy"/>	Rs.900	<input type="button" value="Book"/>
2	<input type="text" value="dd/mm/yyyy"/>	<input type="text" value="dd/mm/yyyy"/>	Rs.1200	<input type="button" value="Book"/>
3	<input type="text" value="dd/mm/yyyy"/> 	<input type="text" value="dd/mm/yyyy"/>	Rs.500	<input type="button" value="Book"/>
4	<input type="text" value="dd/mm/yyyy"/>	<input type="text" value="dd/mm/yyyy"/>	Rs.1500	<input type="button" value="Book"/>

At the bottom of the page, there's a footer with the text "© The Tech Titans".

- To book a guest room, head to the booking section. If you are already in the booking section, click on the “**Guest Rooms**” button inside the **orange** rectangle.

Welcome, Pranjal Singh
Student

Guestroom Booking				
Room No.	Check in Date	Check out Date	Price per day	Availability
1	<input type="text"/>	<input type="text"/>	Rs.900	<input type="button" value="Book"/>
2	<input type="text"/>	<input type="text"/>	Rs.1200	<input type="button" value="Book"/>
3	<input type="text"/>	<input type="text"/>	Rs.500	<input type="button" value="Book"/>
4	<input type="text"/>	<input type="text"/>	Rs.1500	<input type="button" value="Book"/>

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- Now, to select the check-in and check-out dates, you may either click on **dd, mm and yyyy** and type in the date in dd/mm/yyyy format, or you may click on the calendar icon inside the **yellow** rectangle. A pop-up appears as shown. You may select a date by clicking on it. (Please note that this feature is browser-dependent, but the date can be typed in on any browser.)
- To navigate to the next/previous month, you can also use the arrows inside the **grey** rectangle. Or, you may click on the drop-down inside the **green** rectangle and then select a month.
- Similarly, enter the check-out date.
- Click on the “**Book**” button inside the **red** rectangle. If the room is available for the given dates, a request is sent to the manager and a message appears, conveying this to the user. Else, a message appears, saying that the room is not available for the selected dates.
- Bookings that have been accepted by the hall manager appear below this table, under “**Previous Bookings**”.

Past Guest Room Bookings



Welcome, s1
Student

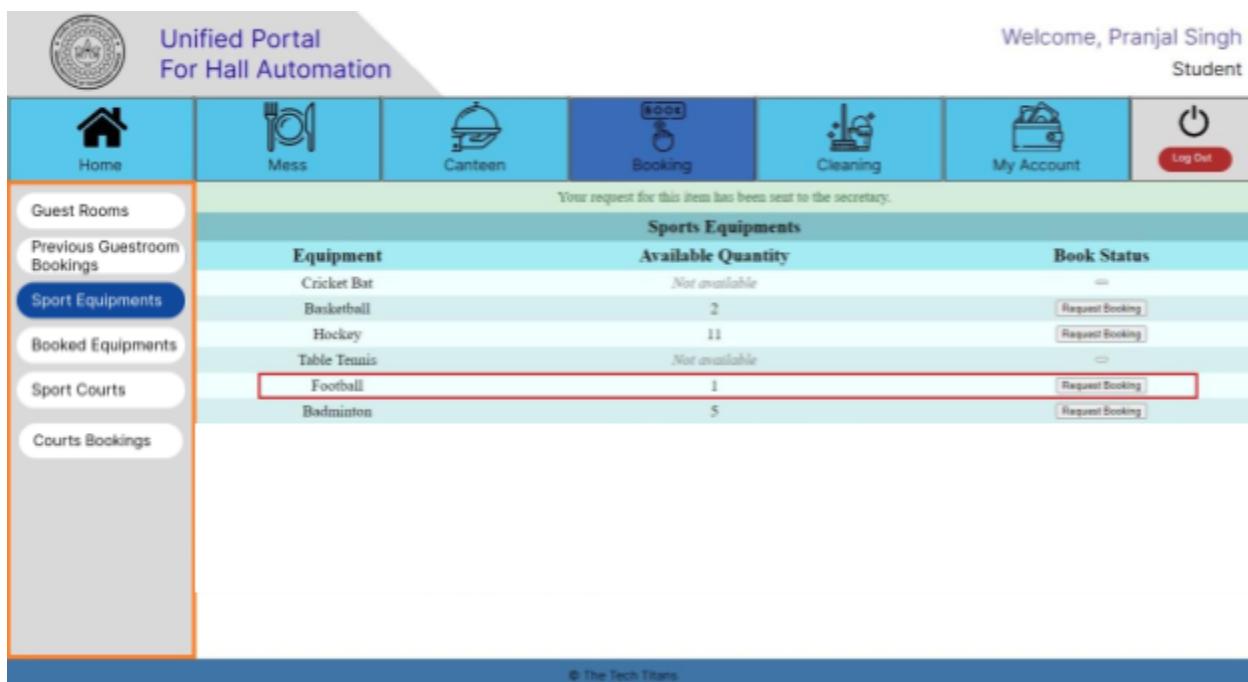
Your Previous Bookings

Room No.	Check in Date	Check out Date	Price per day	Status
1	April 3, 2023	April 5, 2023	Rs.900	Booked
1	April 2, 2023	April 4, 2023	Rs.900	Booked
2	April 3, 2023	April 5, 2023	Rs.1200	Booked
3	April 18, 2023	April 21, 2023	Rs.500	Pending...
3	April 20, 2023	April 22, 2023	Rs.500	Pending...
1	April 1, 2023	April 6, 2023	Rs.900	Pending...

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- Click on the “Previous Guestroom Bookings” Button inside the red rectangle.
- You will be taken to the page shown in the image, where details of your bookings are available. In case a request is not accepted/rejected in a few days, please contact the hall manager.

Requesting Sports Equipment



Welcome, Pranjal Singh
Student

Your request for this item has been sent to the secretary.

Sports Equipments

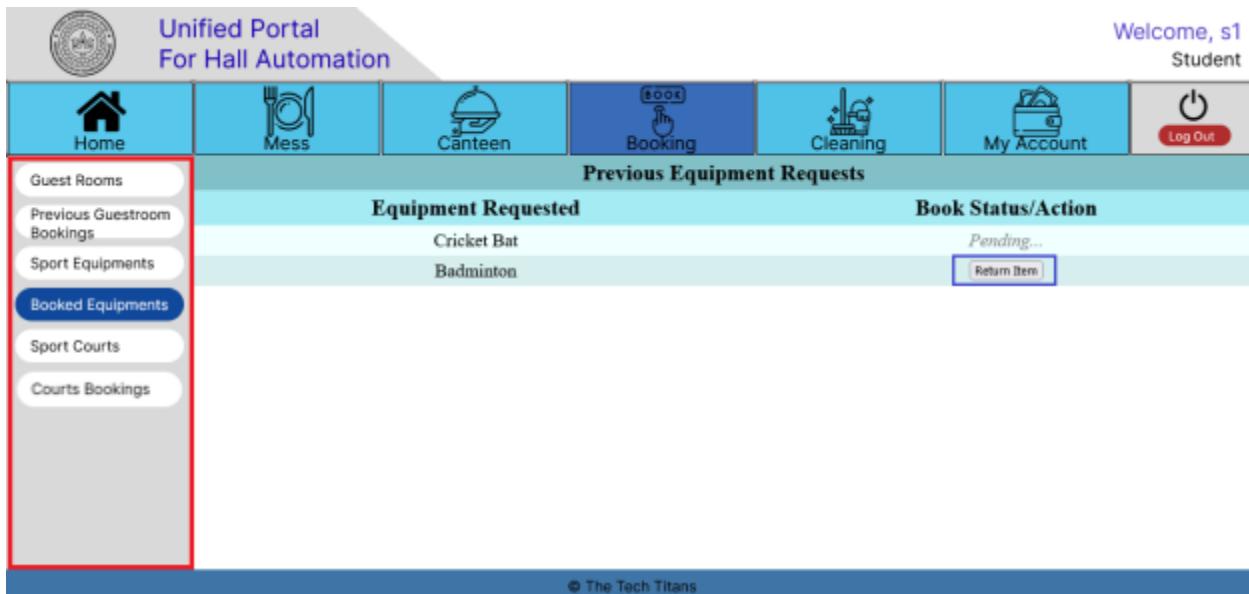
Equipment	Available Quantity	Book Status
Cricket Bat	Not available	...
Basketball	2	<input type="button" value="Request Booking"/>
Hockey	11	<input type="button" value="Request Booking"/>
Table Tennis	Not available	...
Football	1	<input type="button" value="Request Booking"/>
Badminton	5	<input type="button" value="Request Booking"/>

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- First, click on the “Sports Equipment” button inside the orange rectangle.

- The list of sports available and number of pieces of relevant equipment are shown in a table, for example, the row in the red rectangle conveys that one football is available.
- Click on the “**Request Booking**” button in the right end of the red rectangle, or in a different row, depending on what you want to book.
- The request made will appear in the next subsection titled “**Booked Equipment**”. Head to the sports secretary, as acceptance of a request is ideally done at the same time as handing over the article.

Managing booked equipment



The screenshot shows a web-based portal for hall automation. At the top, there's a header with a logo, the text "Unified Portal For Hall Automation", and a welcome message "Welcome, s1 Student". Below the header is a navigation bar with icons for Home, Mess, Canteen, Booking, Cleaning, My Account, and Log Out. On the left, a sidebar menu is visible, with "Booked Equipments" highlighted by a red rectangle. The main content area displays a table titled "Previous Equipment Requests". The table has two columns: "Equipment Requested" and "Book Status/Action". Under "Equipment Requested", it lists "Cricket Bat" and "Badminton". Under "Book Status/Action", it shows "Pending..." for Cricket Bat and a blue rectangular button labeled "Return Item" for Badminton. The footer of the page includes a copyright notice "© The Tech Titans".

Previous Equipment Requests	
Equipment Requested	Book Status/Action
Cricket Bat	Pending...
Badminton	Return Item

- Click on “Booked Equipment” inside the red rectangle.
- A list of articles that have been issued to you loads.
- Against requests that have not been accepted, “Pending” appears in the second column.
- Against articles that have been issued to you, there is a “**Return Item**” button, as shown in the blue rectangle.
- To return an article, click on the button. Head to the sports secretary and return the article. Ensure that he/she validates the return request, as you are responsible for the article till it is validated.

Booking Sports Courts

The screenshot shows the 'Unified Portal For Hall Automation'. At the top right, it says 'Welcome, s1 Student'. The main area is titled 'Courts Booking'. On the left, there's a sidebar with buttons for 'Home', 'Mess', 'Canteen', 'Booking' (which is highlighted with a blue background), 'Cleaning', 'My Account', and 'Log Out'. The main content area has sections for 'Sports' (with a dropdown menu showing 'Badminton'), 'Start time' (with an input field showing '09:30'), 'End time' (with a time picker showing '10:40'), 'Day' (with a date input field showing 'dd-mm-yyyy'), and 'Book Status' (with a button 'Book court'). The 'Sport Courts' button in the sidebar is highlighted with a red rectangle. The 'Sports' dropdown menu is highlighted with a green rectangle. The 'End time' time picker is highlighted with a blue rectangle. The 'Day' date input field is highlighted with a light blue rectangle.

- Click on the “**Sports Courts**” button inside the red rectangle. You will reach the page shown above.
- Click on the button inside the green rectangle. Select the court you want to book from the drop-down menu.
- Enter the start time and end time using the input fields inside the blue rectangles. For this, click on the characters to the right of the semicolon (initially two hyphens) and enter the hour, then similarly enter the minutes and then AM/PM. Your browser may let you select the time from drop-down menus.

Welcome, s1
Student

Courts Booking

Sports	Start time	End time	Day	Book Status
Badminton	09:30	10:40	dd-mm-yyyy	<input type="button" value="Book court"/>

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- Now, to select the date, you may either follow the steps given in the previous point and type in the date in dd/mm/yyyy format, or you may click on the calendar icon inside the grey circle. A pop-up appears as shown. (Please note that this feature is browser-dependent, but the date can be typed in on any browser.)
- Finally, click on the “Book Court” button inside the second grey rectangle. If the court is available for the selected interval, it is booked and a message appears on the same page, as shown in the image below. Else, a message appears informing you that the court is booked.

Welcome, s1
Student

Your have successfully booked the court, enjoy your playtime :)

Courts Booking

Sports	Start time	End time	Day	Book Status
Badminton	-- 1 --	-- 2 --	dd / mm / yyyy	<input type="button" value="Book court"/>

© The Tech Titans

View Upcoming Court Bookings

The screenshot shows a user interface for a hall automation system. At the top right, it says "Welcome, s1 Student". On the left, there's a circular logo with text around it. Below the logo, the text "Unified Portal For Hall Automation" is displayed. The main menu bar includes icons for Home (house), Mess (fork and knife), Canteen (plate with fork and knife), Booking (book with a cursor), Cleaning (mop and bucket), My Account (briefcase with a dollar sign), and Log Out (power button). A red rectangle highlights the "Courts Bookings" button in the sidebar.

Your upcoming court bookings				
Sports	day	Start time	End time	
Badminton	April 1, 2023	9 p.m.	10 p.m.	
Badminton	April 1, 2023	10:05 p.m.	11 p.m.	
Hockey	April 2, 2023	12:31 a.m.	11:31 p.m.	

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- Click on the “**Courts Bookings**” button inside the red rectangle. You will be taken to the page shown above.

My Account

In this section, you may view your mess and canteen dues. There are links to SBI collect, where you can make payments.

To navigate to the “My Account” section, click on the button inside the red rectangle in the image in the following subsection.

Mess Dues

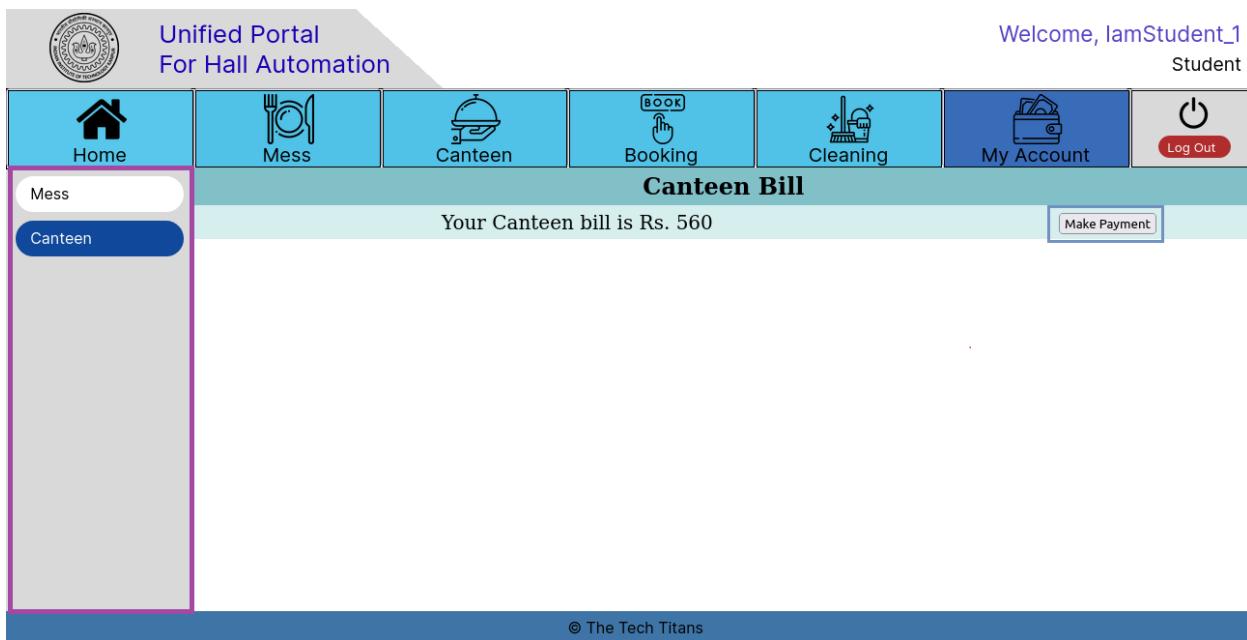
The screenshot shows a web-based portal with a header "Unified Portal For Hall Automation". On the right, it says "Welcome, IamStudent_1 Student". Below the header is a navigation bar with icons for Home, Mess, Canteen, Booking, Cleaning, My Account (which is highlighted with a red rectangle), and Log Out. A sidebar on the left has buttons for Mess (highlighted with a purple rectangle) and Canteen. The main content area is titled "Mess Bills" and contains a table:

S. No.	Month	Basic Amount	Extra Messing	Rebate Days	Dues
1	Jan	2643	370	0	Make Payment
2	Feb	2431	425	3	Make Payment

At the bottom of the page is a footer "© The Tech Titans".

- Head to the “My Account” section by clicking on the button inside the red rectangle. If you are already on a different page in the section, click on the “**Mess**” button inside the purple rectangle.
- Dues that have not been cleared appear in the table on the page.
- Click on the “**Make Payment**” button inside the blue rectangles to head to SBI Collect.

Canteen Dues

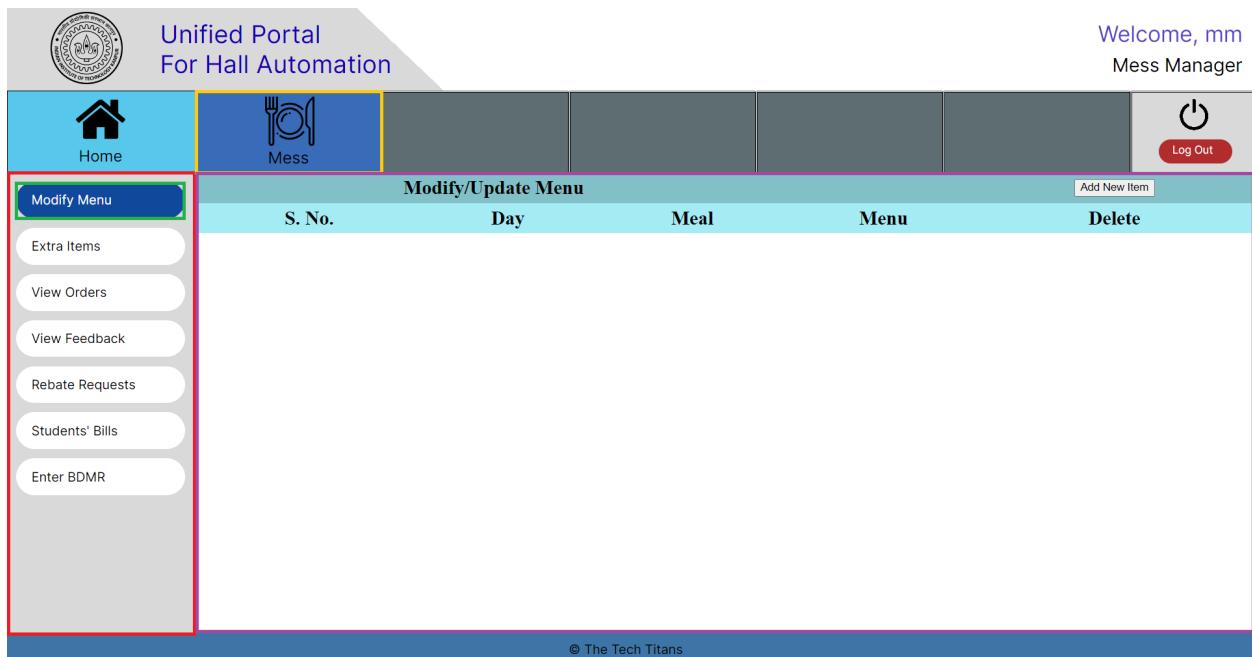


- Head to the canteen subsection by clicking on the “**Canteen**” button inside the **purple** rectangle. Your dues appear in the main body.
- Click on the “**Make Payment**” button inside the **blue** rectangle to pay through SBI collect, or make the payment through any other channel that the canteen manager is fine with.

Mess Manager

The mess Section for a Mess Manager consists of 7 subsections.

- Modify Menu
- Extras Items
- View Orders
- View Feedback
- Rebate Requests
- Students' Bills
- Enter BDMR



To navigate to the **Mess** section Click on the “Mess” shown in a **Golden** rectangle in the image above. After Clicking, A panel consisting of all 7 subsections will appear on the left-hand side as shown in a **Red** rectangle in the image above with by default the opening of the first section which is “Modify Menu”. To move to a subsection click on that subsection. After Clicking, a **Dark Blue** color(As indicated in a **Green** rectangle in the image above) will appear on that section and you will be shown the content of it on the main frame marked in the **Purple** rectangle.

Let's Start with the subsection.

Modify Menu

- Day- Day of the Meal.
- Meal- Breakfast, Lunch, or Dinner.
- Menu- Food items for that Meal.

- **Modify-** It has an Edit button to modify the Menu.

Welcome, mm
Mess Manager

Modify/Update Menu				
S. No.	Day	Meal	Menu	Delete
1	Monday	Breakfast	Pav Bhaji	Delete
2	Monday	Lunch	Arhar Dal, Roti, Curd	Delete

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In the main frame of the **Modify Menu**, the User has been provided with 3 buttons “**Edit**”(shown in Red Rectangle),”**Add New Item**”(shown in Green Rectangle), and “**Delete**”(shown in Purple Rectangle).

Welcome, mm
Mess Manager

Modify/Update Menu				
S. No.	Day	Meal	Menu	Delete
1	Monday	Breakfast	Rajma	Delete
2	Monday	Lunch	Arhar Dal, Roti, Curd	Delete

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If the User Clicks on “**Edit**” Button then the user will receive the above interface where he can modify the inputs (shown in Blue Rectangle) and then Click on “**Submit**” button(shown in Golden Rectangle).

Welcome, mm
Mess Manager

Modify/Update Menu

S. No.	Day	Meal	Menu	Delete
1	Monday	Breakfast	Rajma	<input type="button" value="Delete"/>
2	Monday	Lunch	Arhar Dal, Roti, Curd	<input type="button" value="Delete"/>

Changes made successfully.

Home **Mess** **Log Out**

Modify Menu

- [Extra Items](#)
- [View Orders](#)
- [View Feedback](#)
- [Rebate Requests](#)
- [Students' Bills](#)
- [Enter BDMR](#)

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After Clicking on Submit button a message will be displaced and changes are made. Now if the user clicks on “Add New Item” then an extra row appears(shown in Red Rectangle) with some default values. Enter the values and Click on submit(shown in Golden Rectangle) to add a new item for Extras.

Welcome, mm
Mess Manager

Modify/Update Menu

S. No.	Day	Meal	Menu	Delete
1	Monday	Breakfast	Rajma	<input type="button" value="Delete"/>
2	Monday	Lunch	Arhar Dal, Roti, Curd	<input type="button" value="Delete"/>
3	Sunday	Breakfast	<input type="text" value="Enter New Item"/>	<input type="button" value="Delete"/>

Home **Mess** **Log Out**

Modify Menu

- [Extra Items](#)
- [View Orders](#)
- [View Feedback](#)
- [Rebate Requests](#)
- [Students' Bills](#)
- [Enter BDMR](#)

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After Clicking on Submit button a message will be displaced and changes are made. As shown Below.

Welcome, mm
Mess Manager

Changes made successfully.

S. No.	Day	Meal	Menu	Delete
1	Monday	Breakfast	Rajma	Delete
2	Monday	Lunch	Arhar Dal, Roti, Curd	Delete
3	Sunday	Breakfast	Test	Delete

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If the User clicks on “Delete” button (shown in Purple Rectangle above) then that item will be removed and a message will be displayed.

Welcome, mm
Mess Manager

Deleted Successfully

S. No.	Day	Meal	Menu	Delete
1	Monday	Breakfast	Rajma	Delete
2	Monday	Lunch	Arhar Dal, Roti, Curd	Delete

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Extra Items

- Meal Date- Date of the Meal.
- Meal- Breakfast, Lunch, or Dinner.
- Item- Food items that will be served in the Meal.
- Capacity- Total Quantity of items available.
- Price- Cost per item.
- Start Time- The time after which the user can book extras.
- End Time- The time till which the user will be able to book extras.
- Delete- It has a Delete button to remove that extra from the menu.

Modify/Update Extra Items								
S. No.	Meal Date	Meal	Item	Capacity	Price	Start Time	End Time	Delete
1	April 30, 2023	Dinner	Masala Dosa	250	34	March 30, 2023, midnight	April 2, 2023, midnight	Delete

In the main frame of the **Extra Items**, the User has been provided with 3 buttons “**Edit**”(shown in **Red Rectangle**), “**Add New Item**”(shown in **Green Rectangle**), and “**Delete**”(shown in **Purple Rectangle**).

Welcome, mm
Mess Manager

Modify/Update Extra Items

S. No.	Meal Date	Meal	Item	Capacity	Price	Start Time	End Time	Delete
1	30-04-2023	Dinner	Masala Dosa	250	40	30-03-2023 00:00	02-04-2023 00:00	<button>Delete</button>

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If the User Clicks on “Edit” Button then the user will receive the above interface where he can modify the inputs (shown in Blue Rectangle) and then Click on “Submit” button(shown in Golden Rectangle).

Welcome, mm
Mess Manager

Changes made successfully.

Modify/Update Extra Items

S. No.	Meal Date	Meal	Item	Capacity	Price	Start Time	End Time	Delete
1	April 30, 2023	Dinner	Masala Dosa	250	40	March 30, 2023, midnight	April 2, 2023, midnight	<button>Delete</button>

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After Clicking on Submit button a message will be displaced and changes will be made. Now if the user clicks on “Add New Item” then an extra row appears(shown in purple Rectangle) with some default values. Enter the values and Click on submit(shown in Golden Rectangle) to add a new item for Extras.

Welcome, mm
Mess Manager

Modify/Update Extra Items								
S. No.	Meal Date	Meal	Item	Capacity	Price	Start Time	End Time	Delete
1	31-03-2023	Dinner	Matar Panner	200	30	31-03-2023 15:25	31-03-2023 19:00	<input type="button" value="Delete"/>
2	30-03-2023	Dinner	Masala Dosa	250	40	30-03-2023 00:00	02-04-2023 00:00	<input type="button" value="Delete"/>

© The Tech Titans

After Clicking on Submit button a message will be displaced and changes are made. As shown Below.

Welcome, mm
Mess Manager

Changes made successfully.

Modify/Update Extra Items								
S. No.	Meal Date	Meal	Item	Capacity	Price	Start Time	End Time	Delete
1	March 31, 2023	Dinner	Matar Panner	200	30	March 31, 2023, 3:25 p.m.	March 31, 2023, 7 p.m.	<input type="button" value="Delete"/>
2	April 30, 2023	Dinner	Masala Dosa	250	40	March 30, 2023, midnight	April 2, 2023, midnight	<input type="button" value="Delete"/>

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If the User clicks on “Delete” button (shown in Purple Rectangle above) then that item will be removed and a message will be displayed.

Welcome, mm
Mess Manager

Deleted Successfully

Modify/Update Extra Items

S. No.	Meal Date	Meal	Item	Capacity	Price	Start Time	End Time	Delete
1	April 30, 2023	Dinner	Masala Dosa	250	40	March 30, 2023, midnight	April 2, 2023, midnight	<input type="button" value="Delete"/>

https://upaha.pythonlywhere.com/Mess/Manager_Modify_Menu

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View Orders

- Date- Date of Order.
- Username- IITK username of the student who ordered.
- Meal- Breakfast, Lunch, or Dinner.
- Item- Food items ordered.
- Quantity- Number of items ordered.

Welcome, mm
Mess Manager

Current Orders

S. No.	Date	Username	Meal	Item	Quantity
1	April 30, 2023	s1	Dinner	Masala Dosa	3

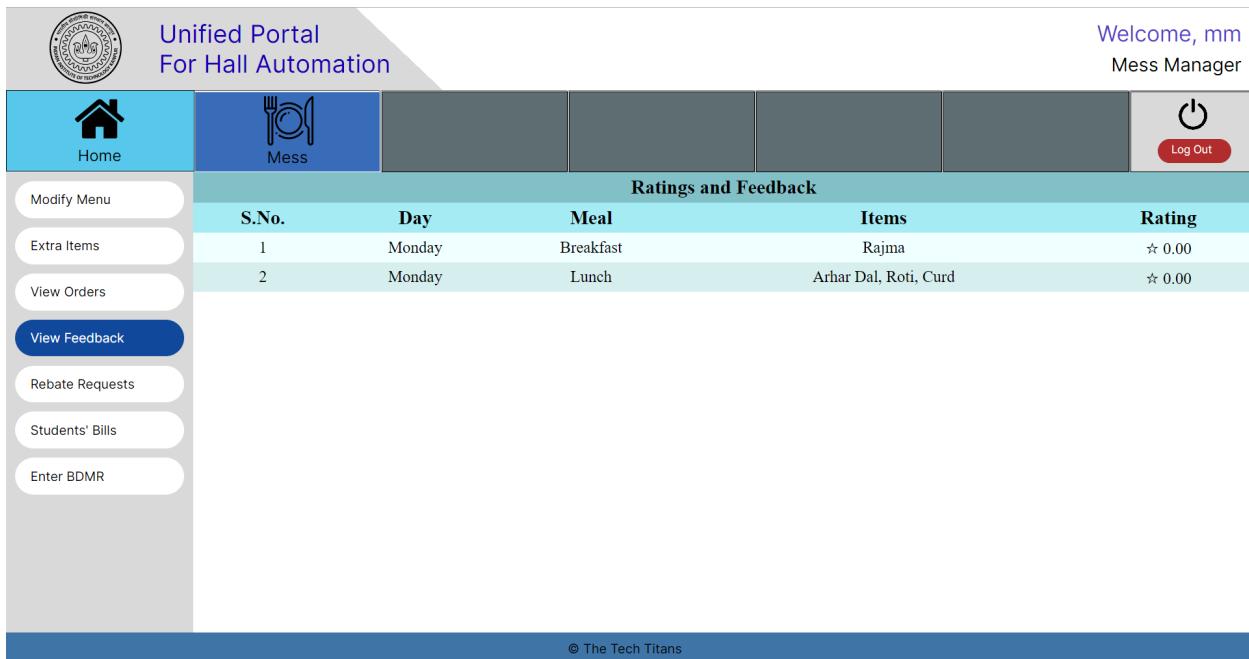
https://upaha.pythonlywhere.com/Mess/Manager_View_Orders

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In the main frame of the **View Orders**, User has been provided with the orders of Extras that have not been served till now.

View Feedback

- Day- Day of the Meal.
- Meal- Breakfast, Lunch, or Dinner.
- Item- Food items for which ratings have been provided.
- Rating- This shows the average rating given by all users.



The screenshot shows a web-based portal for hall automation. At the top, there is a header with the logo of IIT Kanpur and the text "Unified Portal For Hall Automation". On the right side of the header, it says "Welcome, mm" and "Mess Manager". There is also a "Log Out" button. Below the header, there is a navigation bar with several icons: Home (house), Mess (fork and knife), Modify Menu, Extra Items, View Orders, View Feedback (which is highlighted in blue), Rebate Requests, Students' Bills, and Enter BDMR. The main content area is titled "Ratings and Feedback". It contains a table with the following data:

S.No.	Day	Meal	Items	Rating
1	Monday	Breakfast	Rajma	★ 0.00
2	Monday	Lunch	Arhar Dal, Roti, Curd	★ 0.00

At the bottom of the page, there is a footer with the text "© The Tech Titans".

In the main frame of the **View Feedback**, User has been provided with Feedback of Extras.

Rebate Requests

- Username- IITK username of the student who has raised the corresponding rebate request.
- Starting Date- The Date from which the rebate time will start.
- Ending Date- The Date by which the rebate time will end.
- No. of Days- No. of days between starting and ending date (including both).
- Approve/Reject Requests- It has 2 buttons an “Accept” button to approve the rebate Request and a “Reject” Button to reject the rebate Request.

The screenshot shows the Unified Portal For Hall Automation interface. On the left, there's a vertical sidebar with icons for Home, Modify Menu, Extra Items, View Orders, View Feedback, Rebate Requests (which is highlighted in blue), Students' Bills, and Enter BDMR. The main content area has a header "Rebate Requests" with columns: S. No., Username, Starting Date, Ending Date, No. of Days, and Approve/Reject Requests. A single row is shown: S. No. 1, Username s1, Starting Date April 4, 2023, Ending Date April 7, 2023, No. of Days 4, and Approve/Reject Requests (with "Accept" in red and "Reject" in green). The top right shows "Welcome, mm" and "Mess Manager". The bottom right of the main content area says "© The Tech Titans".

In the main frame of the **Rebate Requests**, the User has been provided with **Approve/Reject Requests** section (shown in Purple Rectangle) with 2 buttons. An “**Accept**” button (shown in Red Rectangle) and a “**Reject**” button (shown in Green Rectangle). By Clicking on the “**Accept**” button Rebate Request gets accepted and by Clicking on the “**Reject**” Button it gets Rejected.

This screenshot is similar to the previous one but shows a success message: "Rebate Request Accepted." The rest of the interface, including the sidebar, main table, and footer, remains the same.

Students' Bills

- Username- IITK username of the student

- Month- Month of the Bill.
- Basic Amount- Sum of BDMR of all the days(excluding the rebate days).
- Extra Messing- Total Amount of Extras.
- Rebate Days- No. of days for which rebate is accepted.
- Dues- Total payable amount of the Bill.
- Clear Dues- A button that is used to Clear the dues of paid bills.

Welcome, mm
Mess Manager

Students' Pending Bills

S. No.	Username	Month	Year	Basic Amount	Extra Messing	Rebate Days	Dues	Clear Dues
1	s1	March	2023	138.95	142.0	1	211.48	<input type="button" value="Clear Dues"/>
2	s2	March	2023	138.95	0.0	0	138.95	<input style="background-color: green; color: white; border: 1px solid black;" type="button" value="Clear Dues"/>
3	s3	March	2023	138.95	0.0	0	138.95	<input type="button" value="Clear Dues"/>
4	s2	April	2023	235.78	0.0	0	235.78	<input type="button" value="Clear Dues"/>
5	s3	April	2023	235.78	0.0	0	235.78	<input type="button" value="Clear Dues"/>

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In the main frame of the **Students' Bills**, the User has been provided with “**Clear Dues**” button (shown in **Green Rectangle**) under “**Clear Dues**” section (shown in **Red Rectangle**). If you click the **Clear Dues** button, then the corresponding entry is removed and a message appears at the top of the page, communicating that the operation was successful.

Welcome, mm
Mess Manager

Mess

Dues cleared successfully

Students' Pending Bills

S. No.	Username	Month	Year	Basic Amount	Extra Messing	Rebate Days	Dues	Clear Dues
1	s1	March	2023	138.95	142.0	1	211.48	<button>Clear Dues</button>
2	s3	March	2023	138.95	0.0	0	138.95	<button>Clear Dues</button>
3	s2	April	2023	235.78	0.0	0	235.78	<button>Clear Dues</button>
4	s3	April	2023	235.78	0.0	0	235.78	<button>Clear Dues</button>

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Enter BDMR

- Enter Date- Enter the date for which the user has to modify the BDMR.
- Enter BDMR- New BDMR amount.

Welcome, mm
Mess Manager

Mess

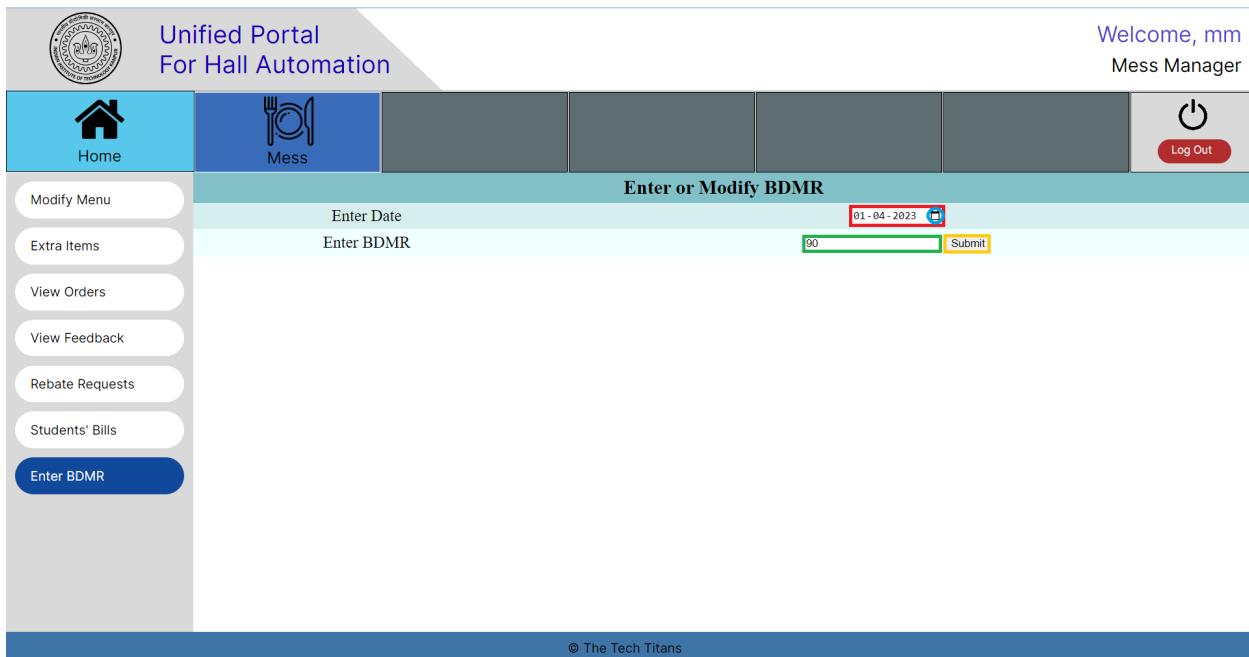
Enter or Modify BDMR

Enter Date

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In the main frame of the **Enter BDMR**, the User has been provided with **Enter Date** section.

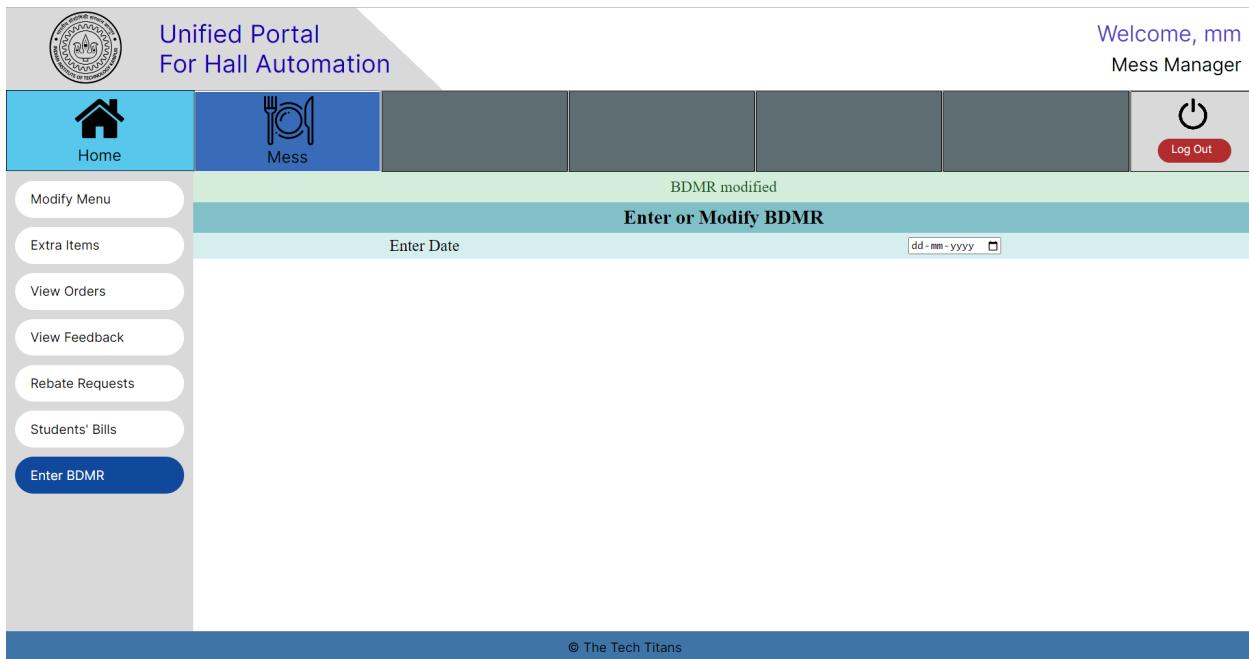
By Clicking on it the **Enter BDMR** section will appear.



Enter Date(shown in Purple Rectangle), **Enter BDMR** section (shown in Green Rectangle), and a “**Submit**” button (shown in Golden Rectangle).

The user can fill in the date by typing or by clicking on the **Calender** icon (shown in Green Rectangle) and selecting a date from the **dialog box** (shown in Red Rectangle).

The user after filling in the details has to click on the “**Submit**” button (shown in Golden Rectangle) for the update to happen. After clicking on Submit a message will appear at the top.



Hall Manager

The powers the hall manager has are:

- View a list of pending cleaning requests, in order to assign each request to a worker.
- Accept/reject guest room booking requests and view a list of bookings whose check-out date has not passed.

To access either of these features, the first step is to click on the “Hall Logistics” button inside the green rectangle in the image in the next section.

View Cleaning Requests

The screenshot shows the Unified Portal for Hall Automation interface. At the top, there is a header with the university logo, the portal name "Unified Portal For Hall Automation", and a welcome message "Welcome, Sandy Hall Manager". On the right side of the header is a "Log Out" button. Below the header, there is a navigation bar with several buttons: "Home" (disabled), "Bookings" (disabled), "Hall Logistics" (highlighted in green and selected), and "Log Out". To the left of the main content area, there is a sidebar with two buttons: "Bookings" (disabled) and "Cleaning" (highlighted in blue). A red arrow points from the "Cleaning" button in the sidebar to the "Pending Cleaning Request" table. The main content area displays a table titled "Pending Cleaning Request" with the following data:

Username	Date Requested	Room no.	Requested Area	Comments
psingh21	March 24, 2023	E-147	Room	Floor is dusty

At the bottom of the page, there is a footer with the text "© The Tech Titans".

To access the cleaning requests page:

- Go to the “**Hall Logistics**” section by clicking the corresponding button inside the green rectangle.
- In the panel on the left, click on “**Cleaning**” pointed to by the red arrow.
- Requests appear on the page. Each row has details of a request, similar to the row highlighted in orange in the above image.

Guest Room Bookings

The screenshot shows a web-based hall management system. At the top left is the logo of the Indian Institute of Technology Roorkee. To its right, the text "Unified Portal For Hall Automation" is displayed. On the far right, a welcome message "Welcome, Sandy" and the title "Hall Manager" are shown, along with a "Log Out" button.

The main interface features a navigation bar with icons for Home, Bookings, and Hall Logistics. The "Bookings" tab is currently selected and highlighted with a red border. Below the navigation bar, there are two tables: "Guestroom Booking Requests" and "Approved Booking Requests".

Guestroom Booking Requests

Student	Room No.	Check in Date	Check out Date	Choose action
psingh21	3	March 30, 2023	April 4, 2023	<input type="button" value="Approve"/> <input type="button" value="Reject"/>

Approved Booking Requests

Student	Room No.	Check in Date	Check out Date
divyanshc21	1	March 23, 2023	March 31, 2023
kriti21	1	March 25, 2023	March 26, 2023

At the bottom of the page, a footer bar contains the copyright notice "© The Tech Titans".

Canteen Manager

The canteen section for the canteen manager consists of 4 subsections:-

1. Incoming Orders
2. Pending Orders
3. Modify Menu
4. Students' Bills

Incoming Orders

Incoming Orders								
S. No.	Order Time	Name	Item Name	Quantity	Price	Amount	Accept	Reject
1	March 26, 2023, 6:16 p.m.	Rajeev Kumar	Paneer Roll	3	35	105	Accept	Reject

- Order Time- Date and time on which the order has been placed by the student.
- Name- Name of the student who has placed the order.
- Item Name- Name of the food item.
- Quantity- Quantity of the food item.
- Price- Rate of the food item.
- Amount- Price of the food item corresponding to the quantity selected (Price x Quantity)
- Accept- If you want to accept the order, click on the “Accept” button shown by the Green box in the image above.
- Reject- If you want to reject the order, click on the “Reject” button shown by the Red box in the image above.

In the main frame of the **Incoming Orders**, you have been provided the list of incoming orders. You can react to the order by either accepting the order (by clicking on the “Accept” button

shown by the **Green** box in the image above) or rejecting the order (by clicking on the “Reject” button shown by the **Red** box in the image above).

Pending Orders

Pending Orders									
S. No.	Name	Item	Quantity	Price	Amount	Served?	Paid?	Remove	
1	Rajeev Kumar	Maggie	2	27	54	Served	Payment Done	Remove Order	

- Name- Name of the student who has placed the order.
- Item- Name of the food item.
- Quantity- Quantity of the food item.
- Price- Rate of the food item.
- Amount- Price of the food item corresponding to the quantity selected (Price x Quantity)
- Served?- If the order is ready to be served, click on the “Served” button shown by the **Green** box.
- Paid?- If the student has made the payment, click on the “Payment Done” button shown by the **Purple** box.
- Remove- If the student doesn't want to pay on-spot and wants the amount to be added in his canteen bill, click on the “Remove Order” button shown by the **Red** box.

In the main frame of the **Pending Orders**, you have been provided the list of the pending orders. If the order is ready to be served, click on the “Served” button shown by the **Green** box. If the student has made the payment, click on the “Payment Done” button shown by the **Purple** box. If the student doesn't want to pay on-spot and wants the amount to be added in his canteen bill, click on the “Remove Order” button shown by the **Red** box.

Modify Menu

Welcome, Soham
Canteen Manager

Unified Portal For Hall Automation

Canteen

Modify/Update Extra Items

S. No.	Item	Price	Delete
1	Masala Maggie	35	Delete
2	Maggie	27	Delete
3	Chicken Roll	45	Delete
4	Paneer Roll	35	Delete

Add New Item

Edit

Log Out

Incoming Orders
Pending Orders
Modify Menu
Students' Bills

- Item- Name of the food item
- Price- Rate of the food item
- Delete- If you want to delete the food item from your menu, click on the “Delete” button shown by the **Red** box.
- Add New Item- If you want to add a new item to your menu, click on the “Add New Item” button shown by the **Green** box.
- Edit- If you want to edit the contents of the food item already present in the menu, click on the “Edit” button shown by the **Purple** button. Once clicked, the following page will be displayed.

Welcome, Soham
Canteen Manager

S. No.	Item	Price	Delete
1	Masala Maggie	35	<input type="button" value="Delete"/>
2	Maggie	27	<input type="button" value="Delete"/>
3	Chicken Roll	45	<input type="button" value="Delete"/>
4	Paneer Roll	35	<input type="button" value="Delete"/>

To change the name of the food item, you need to fill in the new name in the **Pink** box shown in the image above. To change the price of the food item, you need to fill in the new price in the **Brown** box shown in the image above. Finally, you need to click on the “Submit” button shown by the **Blue** box in the image above.

Students' Bills

The screenshot shows a web-based unified portal for hall automation. At the top right, a welcome message reads "Welcome, Soham" and "Canteen Manager". On the left, there's a circular logo and two main navigation buttons: "Home" (with a house icon) and "Canteen" (with a food icon). Below these are three rounded rectangular buttons: "Incoming Orders", "Pending Orders", and "Modify Menu". A blue button at the bottom of this sidebar says "Students' Bills". The main content area has a header "Students' Bills" and a table with the following data:

S. No.	Name	Username	Amount	Clear Amount	Submit
1	Harsh	harshmohan21	805	<input type="text"/>	<input type="button" value="Submit"/>
2	Rajeev Kumar	rajeevks21	66	<input type="text"/>	<input type="button" value="Submit"/>

At the bottom of the main content area, a small copyright notice reads "© The Tech Titans".

- Name- Name of the student.
- Username- Username of the student.
- Amount- Canteen dues amount of the student.
- Clear Amount- If a student pays you a certain amount of money, you need to fill in the amount in the **Purple** box shown in the image above, and then click on the “Submit” button shown by the **Green** box.

In the main frame of the **Students' Bills**, you have been provided the list of the students and their canteen dues.

Sports Secretary

The sports secretary of a hall can

- Add articles to the database when purchased by the hall
- Accept or reject requests for equipment on the portal, when issuing equipment to students
- Validate that an article has been returned to him/her by a student.

To navigate to the sports logistics section, after login, click on the “Sports Logistics” button beside the Home button on the top panel. You should reach the page in the image in the following subsection.

Validate Requests

Welcome, Deepak
Sports Secy

Sports Equipment Requests			
Name	Username	Sports-equipment	Choose action
Pranjal Singh	psingh21	Hockey	<input type="button" value="Validate"/> <input type="button" value="Reject"/>
Pranjal Singh	psingh21	Badminton	<input type="button" value="Validate"/> <input type="button" value="Reject"/>

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- If you are in a different subsection under Sports Logistics, click on the “Validate Requests” button inside the red rectangle.
- Each request appears in a row on this page. Verify the details.
- If you want to accept the request, click on the “Validate” button inside the pink rectangle.
If you want to reject it, click on the “Reject” button.
- If you are validating a request, remember to issue the equipment at the same time to the student.

Validate Returns

The screenshot shows a web-based application interface for hall automation. At the top left is the logo of the Indian Institute of Technology (IIT) Kharagpur. To its right, the text "Unified Portal For Hall Automation" is displayed. On the far right, a welcome message reads "Welcome, Deepak Sports Secy". Below the header, there is a navigation bar with several items: "Home" (with a house icon), "Sports Logistics" (with a soccer ball icon), and "Log Out" (with a power-off icon). The main content area is titled "Sports Equipment Returns". It contains a table with four columns: "Name", "Roll", "Sports-equipment", and "Return Status". A single row in the table shows data for a student named Pranjal Singh, with roll number psingh21 and sports equipment listed as Badminton. A "Validate" button is located in the "Return Status" column for this row. A red rectangle highlights the "Validate Returns" button in the sidebar, and a brown rectangle highlights the "Validate" button in the table row.

Sports Equipment Returns			
Name	Roll	Sports-equipment	Return Status
Pranjal Singh	psingh21	Badminton	<input type="button" value="Validate"/>

- To navigate to the webpage to validate requests, click on the “Validate Returns” button in the red rectangle in the image.
- When a student returns an article, ask them to initiate a return on the portal. It appears on this page.
- After verifying the identity of the student, click on the “Validate” button inside the brown rectangle in the image above.

Add Equipment

The screenshot shows the 'Unified Portal For Hall Automation' interface. At the top right, it says 'Welcome, Deepak' and 'Sports Secy'. On the left, there's a sidebar with 'Home', 'Validate Requests', 'Validate Returns', and a red-bordered 'Add Equipments' button. The main area has tabs for 'Sports Logistics' and other dark grey tabs. A green banner at the top right says 'The equipment has been added successfully'. Below it, a form titled 'Add Equipments' has three sections: 'Sports' (dropdown set to 'Badminton'), 'Quantity' (input field with '0'), and 'Confirmation' (button labeled 'submit'). The bottom of the page has a footer with '© The Tech Titans'.

- To navigate to the add equipment subsection, click on the “Add Equipment” button inside the red rectangle.
- Click on the button inside the brown rectangle. A dropdown menu appears. Select the sport. In this version of the portal, the sports available are cricket, hockey, basketball, badminton, table tennis and football.
- In the input field inside the blue rectangle, enter the number of articles that have been bought.
- Finally, click on the “Submit” button.

***Prepared by The Tech Titans.

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