
User Manual

for

DigiCampus

Version 1.0

Prepared by

Group #: 1

Dishay Mehta	200341
Abhishek Pardhi	200026
Samarth Arora	200849
Ankur Kumar	200140
Shashwat Gupta	200923
Ananya Agrawal	200117
Girik Maskara	200387
Sarthak Kohli	200886
Aayush Kumar	200008
Aryan Vora	200204

Group Name: Achievers

dishaymehta952@gmail.com
abhipardhi326@gmail.com
samartharora03@gmail.com
ankurrk04@gmail.com
guptashashwatme@gmail.com
ananyaagrawal704@gmail.com
girikmaskara552002@gmail.com
sarthak811kohli@gmail.com
aayushk0072@gmail.com
aryanvora23@gmail.com

Course: CS253

Mentor TA: Aman

Date: 04/04/22



CONTENTS	1
REVISIONS	2
1 INTRODUCTION	3
2 STUDENT	3
3 MESS MANAGER	16
4 SECURITY GUARD	21
APPENDIX A - GROUP LOG	25

Revisions

Version	Primary Author(s)	Description of Version	Date Completed
1.0	Dishay Mehta,Abhishek Pardhi,Samarth Arora,Ankur Kumar,Shashwat Gupta,Ananya Agarwal,Girik Maskara,Sarthak Kohli,Aayush Kumar,Aryan Vora	Version 1.0 completed	04/04/22

Introduction: DigiCampus is an application designed to be used by IITK students. It allows two main functionalities, a digitalized system to track entry and exit from hall gates, and a digital register that keeps track of the extras that can be bought at the mess. The application aims to make hall entry and exit smoother, faster, and hassle-free, while also bringing transparency to the system that is currently in place in the hall messes.

DigiCampus will have three **profile classes**: *students, security guards, and mess managers*. These profiles will get access to relevant information and features.

Student:

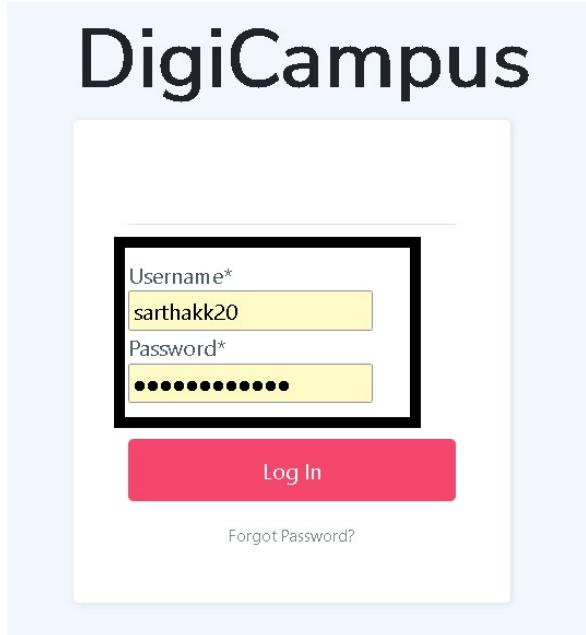
1. Login to your DigiCampus Account

The User will be provided with an initial user id and password.

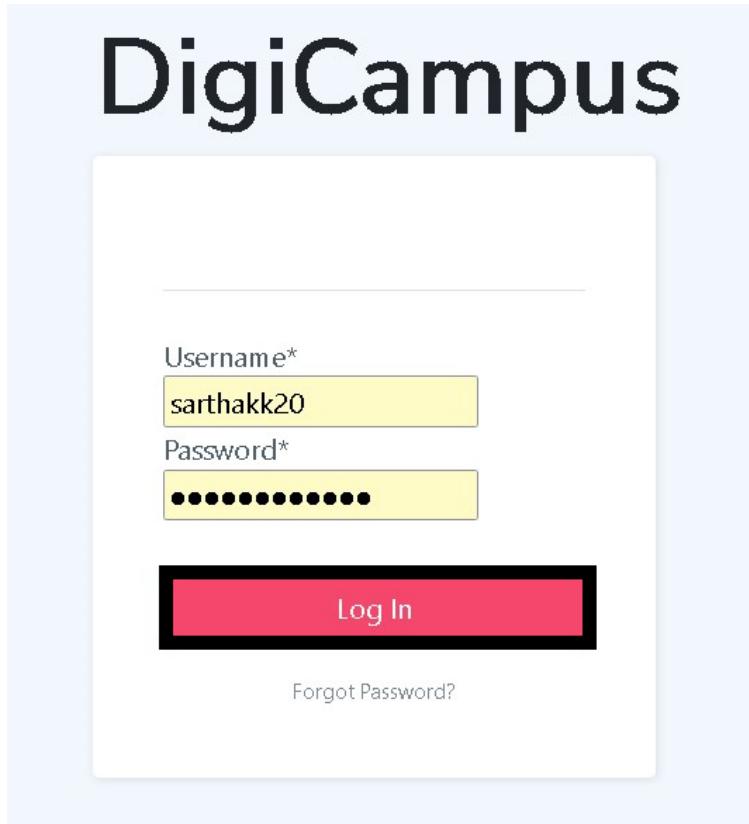
Step 1: Access DigiCampus at <https://digi-campus.herokuapp.com/>

The screenshot shows the DigiCampus login interface. At the top center, the word "DigiCampus" is displayed in a large, bold, black font. Below it is a white rectangular input field containing two text boxes. The first text box is labeled "Username*" and the second is labeled "Password*". Both fields are empty. At the bottom of the input field is a red rectangular button with the text "Log In" in white. Below the input field, there is a small, faint link that says "Forgot Password?".

Step 2: Enter your *Username* and *Password*.



Step 3: Click on *Login*.



User Manual : Digi-Campus

Note: In case of no input or incorrect input of Username/Password, the following warning messages will pop up, respectively.

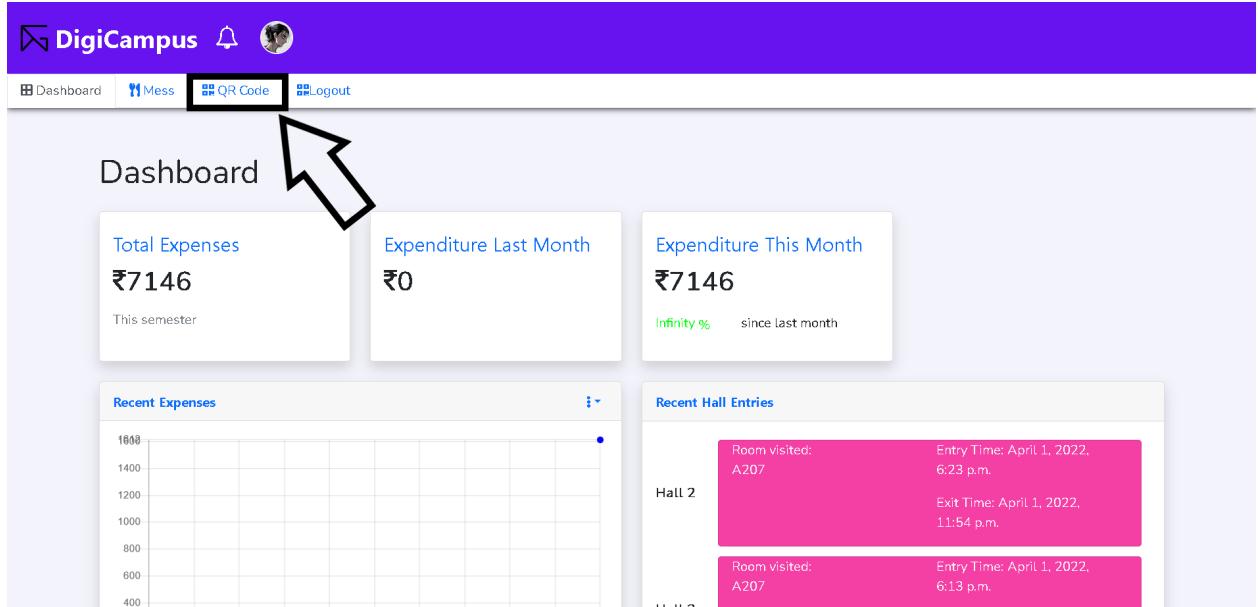
The image contains two side-by-side screenshots of the DigiCampus login interface. Both screenshots show a light blue header with the 'DigiCampus' logo. Below the header is a white login form with a red 'Log In' button at the bottom. A black-bordered box displays an error message: "• Please enter a correct username and password. Note that both fields may be case-sensitive." The first screenshot shows a yellow-highlighted 'Username*' field containing 'sarthak20' and a yellow-highlighted 'Password*' field containing '*****'. The second screenshot shows a yellow-highlighted 'Username*' field containing 'aryanv20' and an empty 'Password*' field. A red-bordered box below the password field displays the error message "Please fill out this field."

Note: After successful sign in, you will be redirected towards the user profile page.

The image shows a screenshot of the DigiCampus user profile page. The top navigation bar is purple with the 'DigiCampus' logo, a bell icon, and a user profile picture. Below the navigation bar, there are four menu items: 'Dashboard', 'Mess', 'QR Code', and 'Logout'. The main content area has a background image of a modern building complex with greenery. At the top of this area, the text 'Edit Information' is displayed. Below this, there are two sections: 'Account Information' and 'Change Password'. The 'Account Information' section contains fields for First Name ('Sarthak'), Hall no. ('5'), Roll Number ('200886'), Last Name ('Kohli'), Room no. ('G309'), and Mobile Number ('12345'). The 'Change Password' section contains fields for Current Password ('*****'), New Password ('New Password'), Confirm Password ('Confirm Password'), and a 'Save' button.

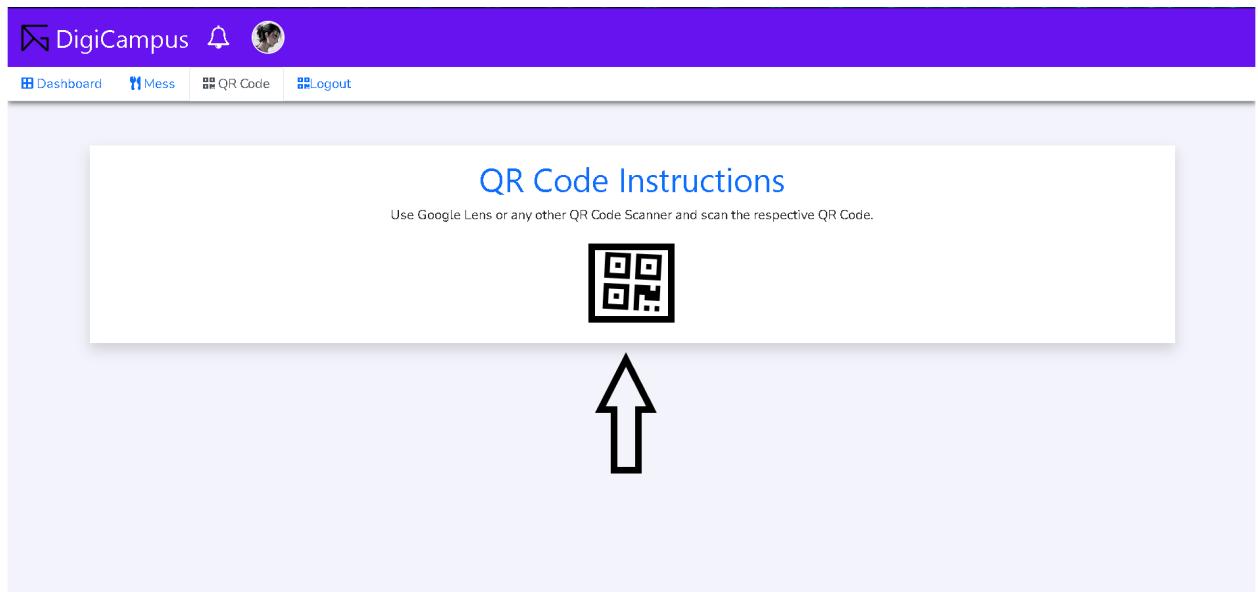
2. Entering a Hall using DigiCampus

Step 1: After signing in to Digicampus, choose QR code menu from the top



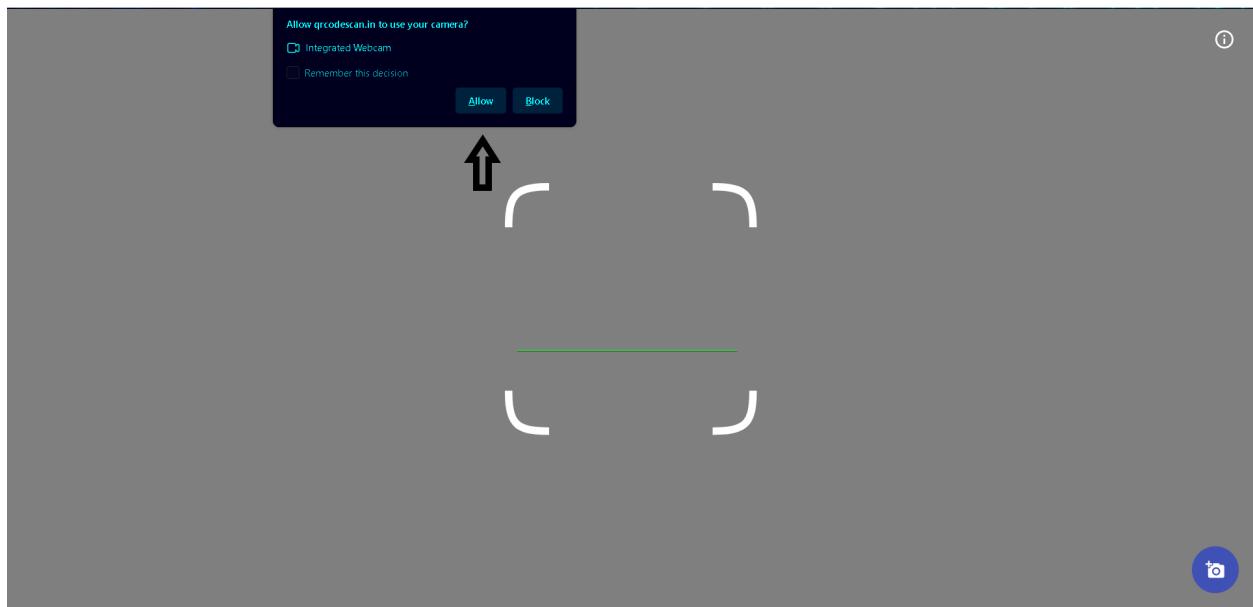
The screenshot shows the DigiCampus dashboard. At the top, there is a purple header bar with the DigiCampus logo, a notification bell icon, and user profile picture. Below the header, there are four navigation tabs: Dashboard, Mess, QR Code (which is highlighted with a black box and has a large white arrow pointing to it), and Logout. The main content area is divided into several sections. On the left, there's a 'Dashboard' section with a chart titled 'Recent Expenses' showing a single data point at 0. To the right of this are three boxes: 'Total Expenses ₹7146 This semester', 'Expenditure Last Month ₹0', and 'Expenditure This Month ₹7146' with a note 'Infinity % since last month'. On the far right, there's a 'Recent Hall Entries' section for 'Hall 2' showing two entries for room A207.

Step 2: Click on the QR code icon poping up



The screenshot shows the DigiCampus dashboard again, but now a large white box covers the central area. Inside this box, the text 'QR Code Instructions' is centered at the top. Below it, a smaller text says 'Use Google Lens or any other QR Code Scanner and scan the respective QR Code.' In the center of the box is a standard black and white QR code. Below the QR code is a large white arrow pointing upwards, indicating where the user should click to generate the QR code.

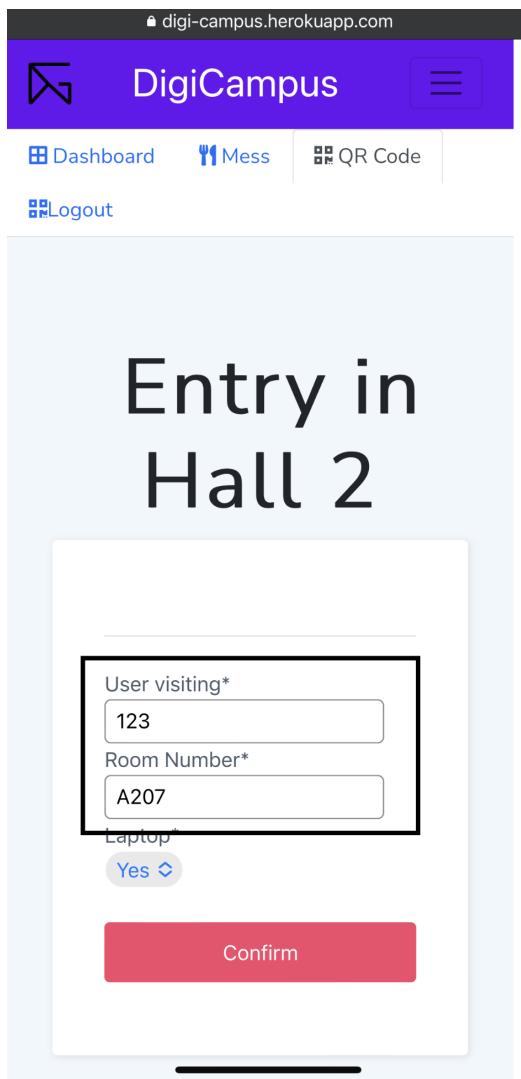
Step 3: Click *Allow* to give camera permissions



Step 4: Scan the QR code at the hall gate.



Step 5: Fill the *Roll Number* of the Student you are visiting and their *Room Number* correctly.



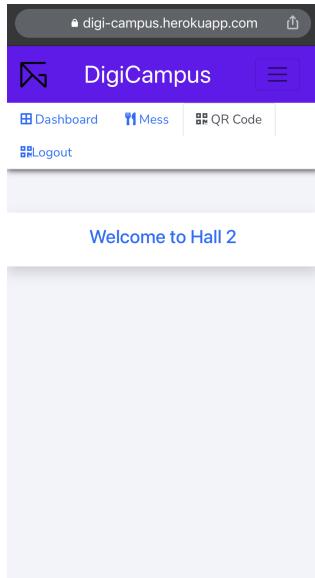
Step 6: Choose whether or not you are carrying a laptop.

The screenshot shows a mobile web application titled "Entry in Hall 2". At the top, there are input fields for "User visiting*" containing "123" and "Room Number*" containing "A207". Below these is a dropdown menu for "Laptop*" with "Yes" selected. A large, hand-drawn style arrow points from the "Yes" button down to the "Confirm" button at the bottom. The "Confirm" button is highlighted with a red border.

Step 7: Click on *Confirm*.

The screenshot shows the DigiCampus mobile application interface. At the top, there is a navigation bar with icons for Dashboard, Mess, QR Code, and Logout. Below the navigation bar is the "Entry in Hall 2" form, which is identical to the one in Step 6. The "Laptop*" field has "Yes" selected. A large, hand-drawn style arrow points from the "Confirm" button at the bottom up to the "Yes" button in the form.

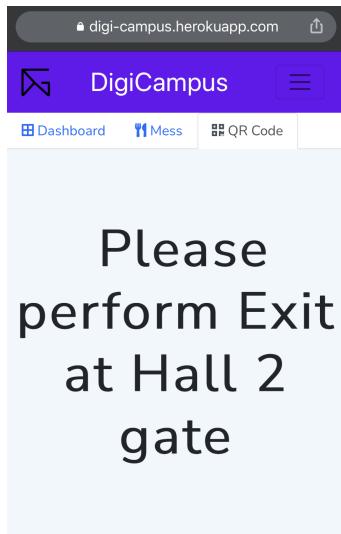
Note: After successful entry in hall you shall be prompted with the following.



3. Exiting out of a hall using DigiCampus

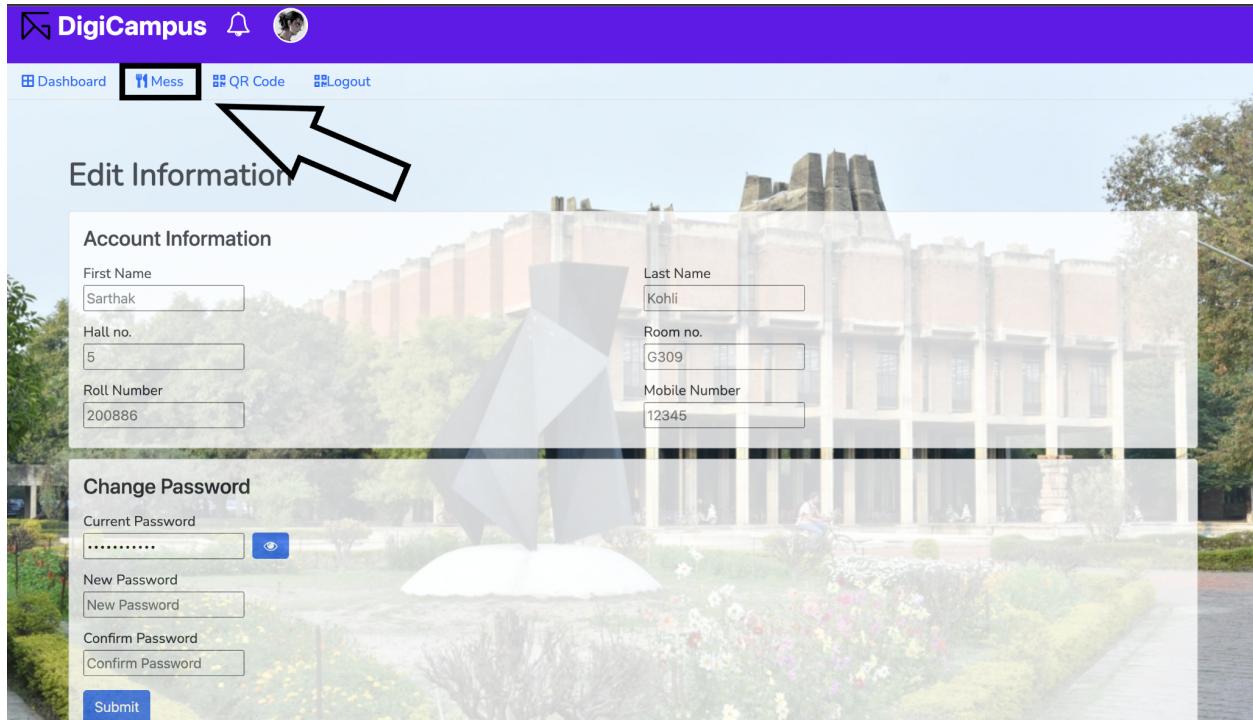
Steps: Ask the hall security SIS guard to sign you out of the hall before leaving

Note: If you leave without getting signed out and try to sign in another hall, you will get the following prompt.

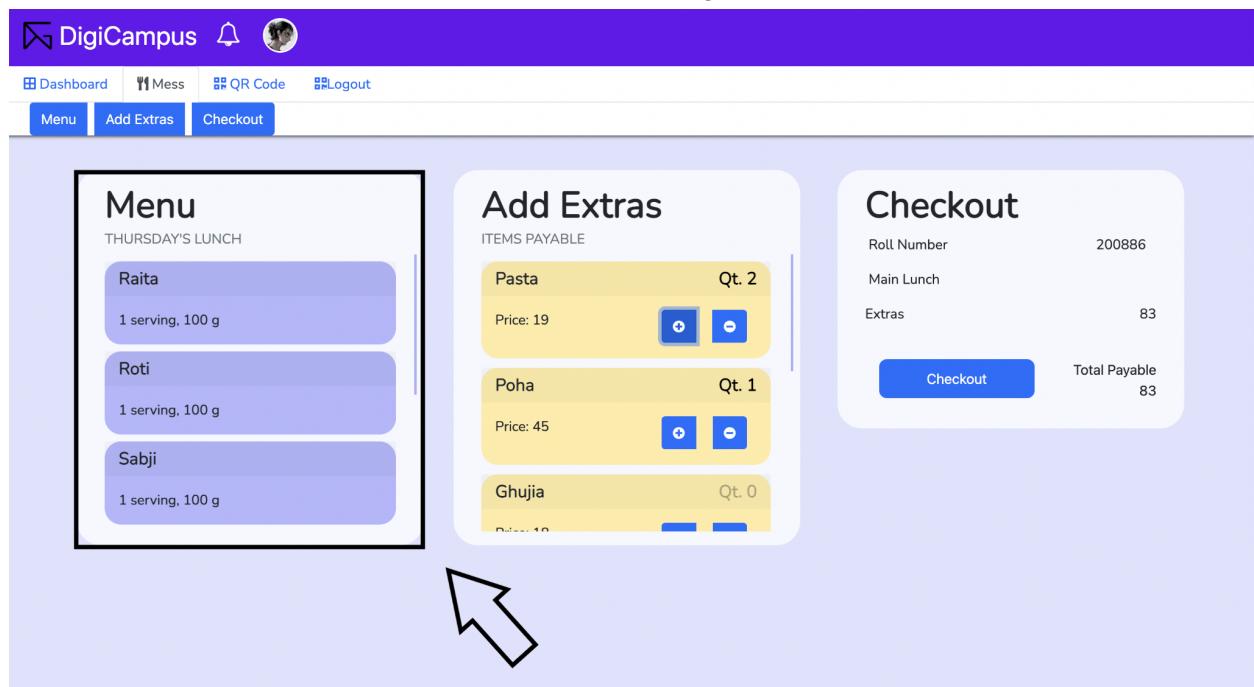


4. Seeing Mess menu and buying extras for Every meal in Halls.

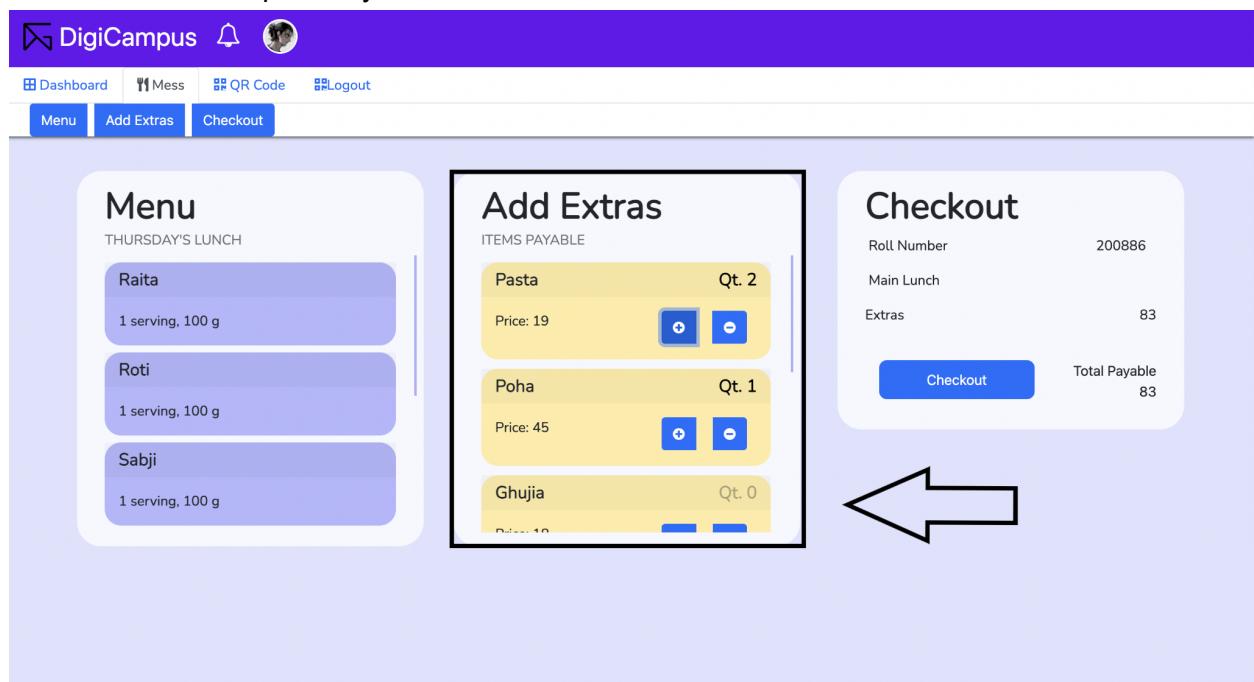
Step 1: After signing in to DigiCampus, choose the *Mess* menu from the top



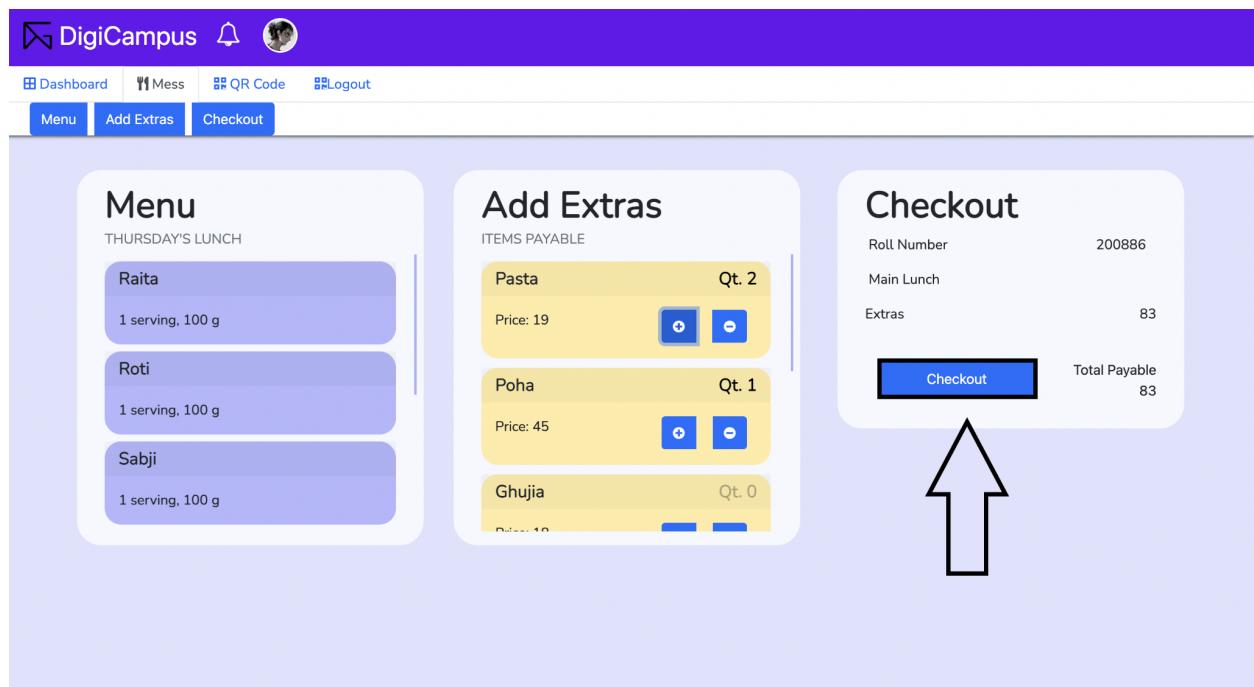
Step 2: Scroll on the Menu on the left to browse through the menu



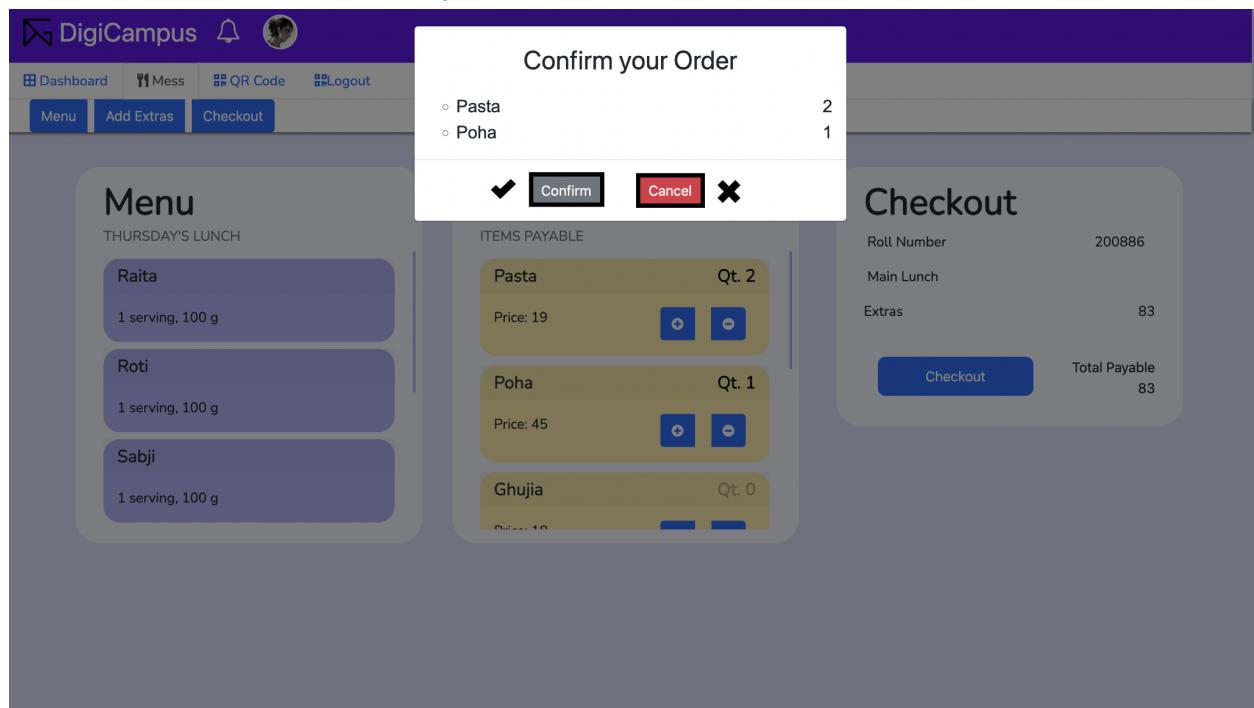
Step 3: To order extras, scroll to the desired food items on the extras list and add the number of items needed respectively



Step 4: Proceed to click on the *Checkout* button

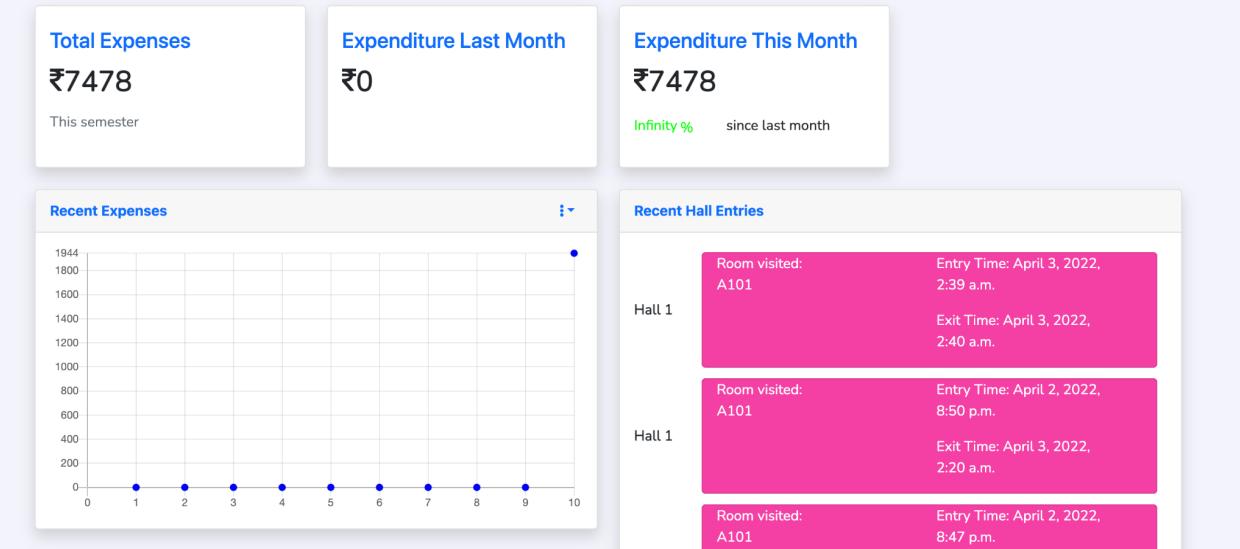


Step 5: Choose *Confirm* to place your order or *Cancel* to discard



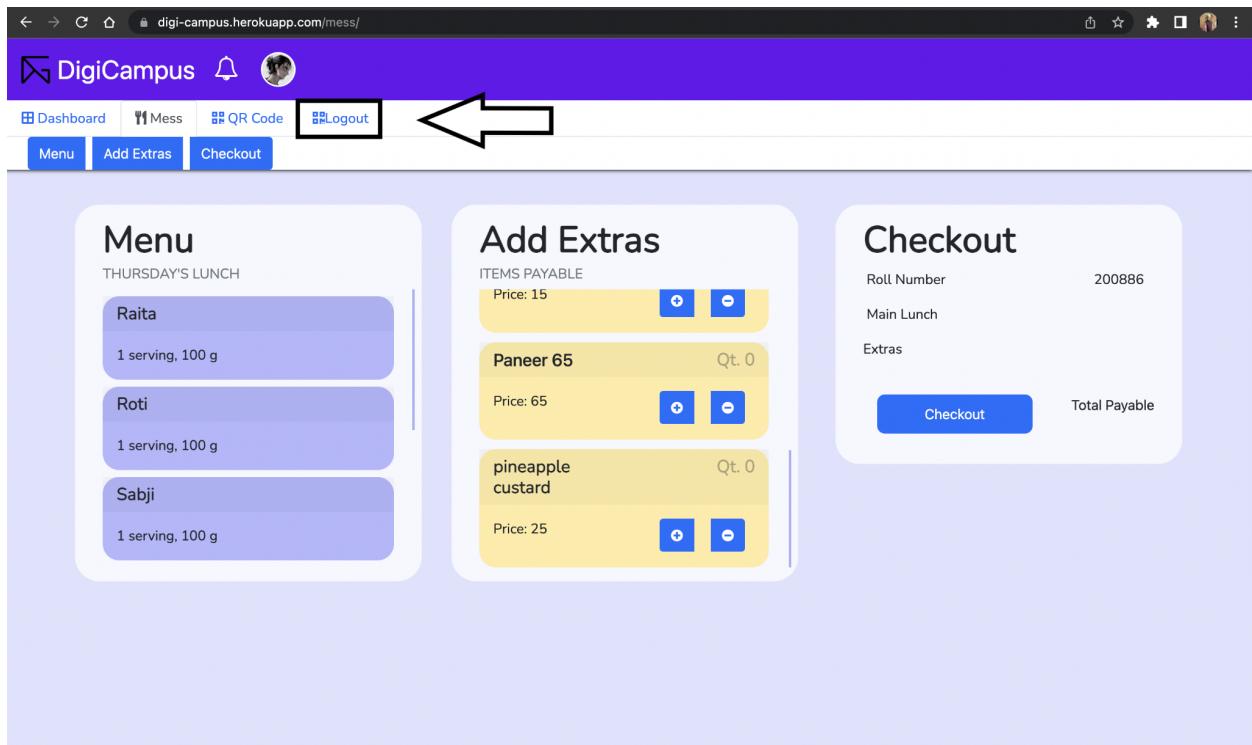
Note: On confirming, you will be redirected to the dashboard which shows your total expenses, last month's expenses and current expenses. You can also see a graph of your recent expenses.

Dashboard



5. Logout

Steps: Click on *Logout* button on top navigation bar to logout of your account.



6. Order History

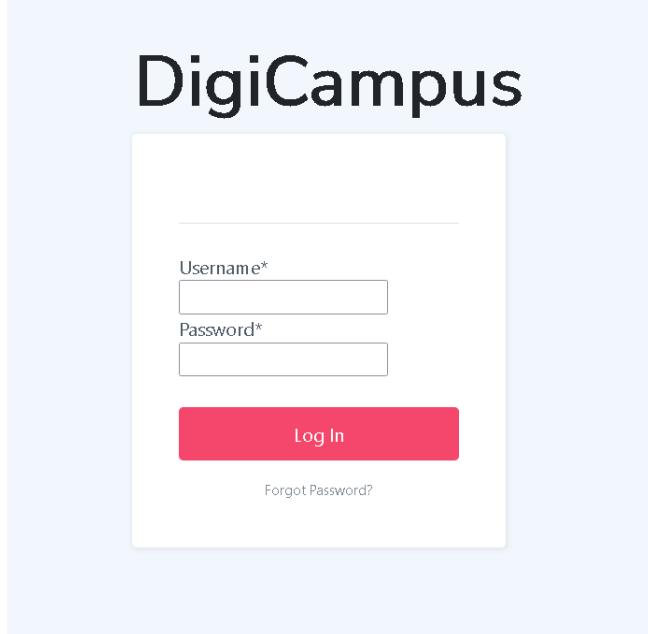
Steps: Click on *Order History* button to see the list of orders placed by the student. The time of ordering, the quantities of the items ordered and the price are displayed in chronological order.

Mess Manager:

1. Login to your DigiCampus Account

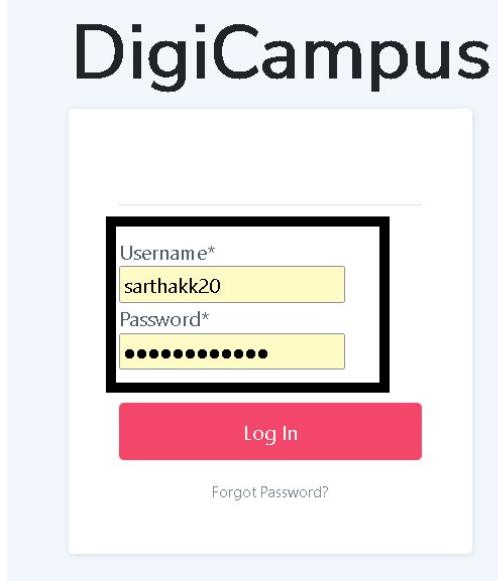
The Mess Manager will be provided with an initial user id and password.

Step 1: Access DigiCampus at <https://digi-campus.herokuapp.com/>



A screenshot of the DigiCampus login page. The page has a light blue header with the text "DigiCampus". Below the header is a white login form. The form contains two input fields: "Username*" and "Password*". Both fields have black outlines. Below the fields is a large red "Log In" button. At the bottom of the form is a small, faint link "Forgot Password?".

Step 2: Enter your *Username* and *Password*.



A screenshot of the DigiCampus login page showing the fields filled with sample data. The "Username*" field contains "sarthakk20" and the "Password*" field contains a series of black dots representing a password. A black rectangular box highlights the "Username" and "Password" fields. Below the highlighted fields is the red "Log In" button. At the bottom of the form is a small, faint link "Forgot Password?".

Step 3: Click on *Login* button.

The screenshot shows the DigiCampus login interface. At the top, the "DigiCampus" logo is displayed. Below it is a large white input field. Underneath the input field, there are two text input boxes: one for "Username*" containing "sarthakk20" and another for "Password*" containing a series of black dots representing the password. Below these inputs is a large red "Log In" button. At the bottom of the form, there is a link labeled "Forgot Password?".

Note: In case of no input or incorrect input of user/password, the following warning messages will pop up, respectively.

The image contains two side-by-side screenshots of the DigiCampus login page. Both screenshots show the same layout as the previous successful login: a large white input field at the top, followed by "Username*" and "Password*" fields. The left screenshot shows the "Password*" field is empty, and a red error message box at the bottom left of the form states "Please fill out this field". The right screenshot shows both the "Username*" and "Password*" fields are empty, and a red error message box at the top right of the form states "Please enter a correct username and password. Note that both fields may be case-sensitive".

2. Manage Menu

I. Add item

Step 1: Enter the item name in the space provided

Item	Extra	Price
Paneer 65	Extra	₹65
Halwa	Extra	₹10
Rasmalai	Extra	₹15
Ghujia	Extra	₹18
Poha	Extra	₹45
Pasta	Extra	₹19

Step 2: Tick the checkbox if the given item is to be added in extras of the menu

Item	Extra	Price
Fruit Custard	✓	0

Step 3: Enter the price of the item by either typing in the given space or by using the increase/decrease value arrows provided

Item	Extra	Price
Fruit Custard	✓	12

Step 4: Click on the blue “+” button on the right to add the item to the menu.

Item	Extra	Price
Fruit Custard	✓	12

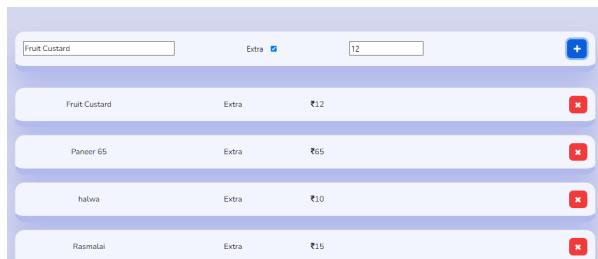
This item will now be available in the *Student Profiles* :

The screenshot shows the DigiCampus application interface. At the top, there is a purple header bar with the DigiCampus logo, a bell icon, and user profile information. Below the header, there are navigation links: Dashboard, Mess, QR Code, Logout, Menu, Add Extras, and Checkout. The main area is divided into three sections:

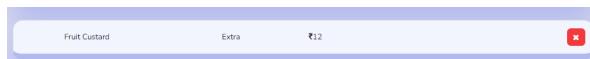
- Menu:** Labeled "THURSDAY'S LUNCH". It lists three items: Raita (1 serving, 100 g), Roti (1 serving, 100 g), and Sabji (1 serving, 100 g).
- Add Extras:** Labeled "ITEMS PAYABLE". It lists three items with quantity selection buttons (+ and -): Paneer 65 (Qt. 0, Price: 65), pineapple custard (Qt. 0, Price: 25), and another unnamed item (Qt. 0, Price: 15).
- Checkout:** Shows Roll Number 200886, Main Lunch, and Extras. A "Checkout" button is present.

II. Delete item

Step 1: Find the item to be deleted by scrolling through the menu.



Step 2: Click on the red cross button to the right of the item to be deleted



And similarly the item would be deleted from the Menu visible to students in their *Student Profiles*.

3. Logout

Steps: Click on *Logout* button on the top navigation bar to logout of your account.

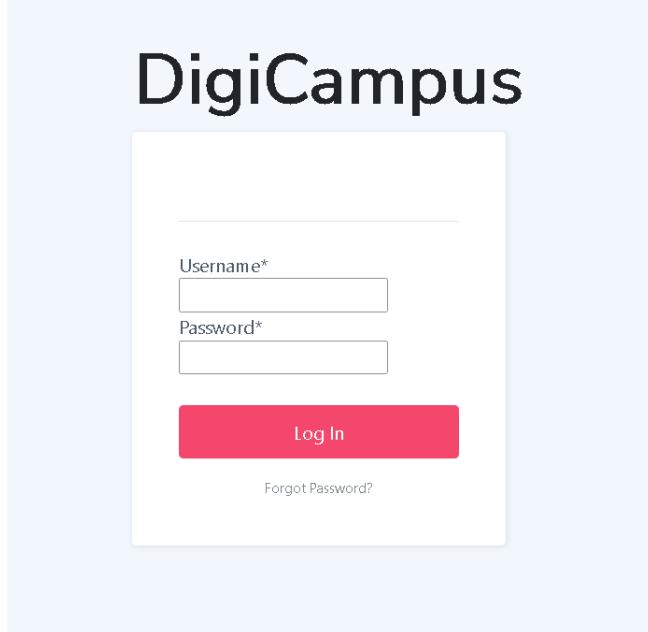


Security Guard:

1. Login to your DigiCampus Account

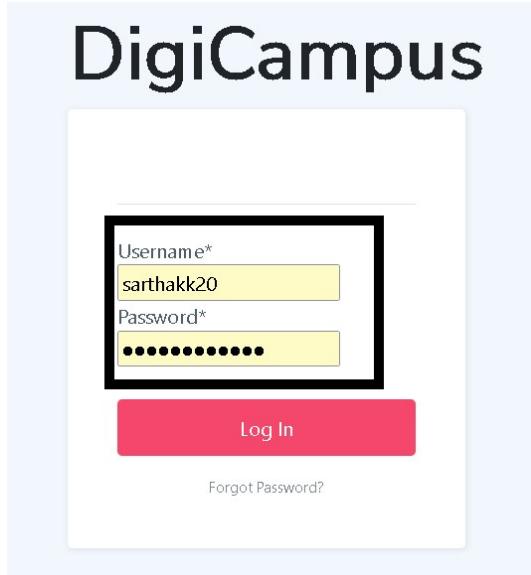
The User will be provided with an initial user id and password.

Step 1: Access the website at <https://digi-campus.herokuapp.com>.



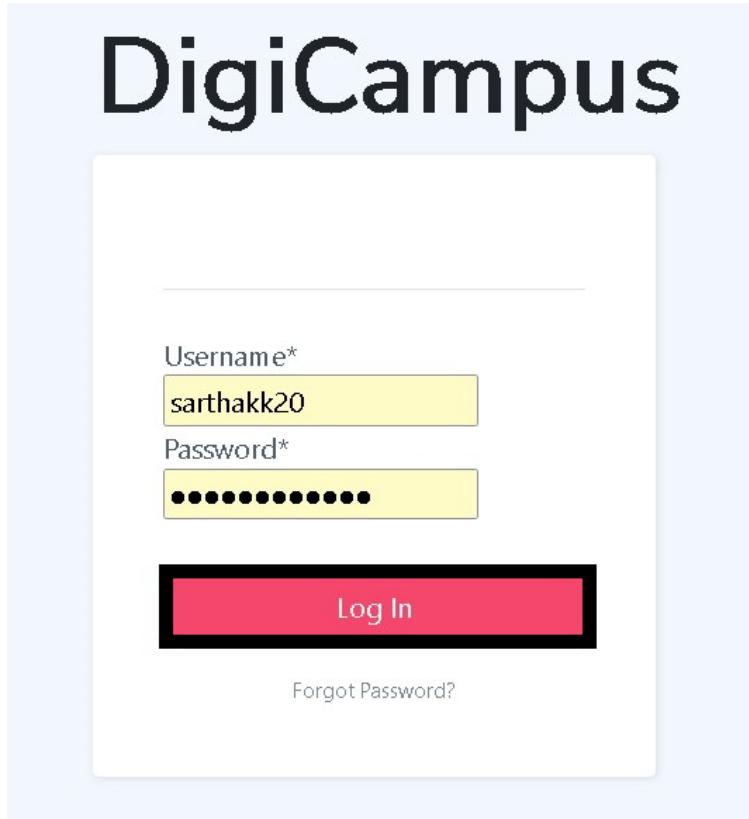
A screenshot of the DigiCampus login page. The page has a light blue header with the text "DigiCampus". Below the header is a white login form. The form contains two input fields: "Username*" and "Password*". Both fields have a thin black border. Below the fields is a large red "Log In" button. At the bottom of the form is a small, faint link "Forgot Password?".

Step 2: Enter Username and Password



A screenshot of the DigiCampus login page showing the fields filled with sample data. The "Username*" field contains "sarthakk20" and the "Password*" field contains a series of ten dots ("....."). Both fields are highlighted with a yellow background and a black border. The rest of the page is identical to the first screenshot, including the red "Log In" button and the "Forgot Password?" link.

Step 3: Click on Login button



Note: In case of no input or incorrect input of *User/Password*, the following warning messages will pop up, respectively.

The image contains two side-by-side screenshots of the DigiCampus login page. Both screenshots show the same basic layout: a white header with the DigiCampus logo, a white input field for "Username*", and a white input field for "Password*".
The left screenshot shows an error message: a yellow exclamation mark icon followed by the text "Please fill out this field". This message is positioned above the "Log In" button.
The right screenshot shows a more detailed error message: a list bullet point stating "Please enter a correct username and password. Note that both fields may be case-sensitive." Above this list are the same two input fields, and below them is the "Log In" button.

2. Managing Entry/Exit at Hall Gate

Step 1: Click on the *Select Hall* button displayed on top left

The screenshot shows the 'Manage Guests' section of the DigiCampus application. At the top, there is a purple header bar with the DigiCampus logo, a notification bell icon, and a user profile picture. Below the header, there are two buttons: 'Manage' with a checkmark icon and 'Logout'. The main area is titled 'Manage Guests'. It features a table with columns for 'Name', 'Destination', 'Roll No.', 'Phone No.', and 'Exit'. Above the table, there is a blue button labeled 'Select Hall ▾' and a red button labeled 'Notify All'. A dropdown menu is open over the 'Select Hall' button, listing numbers from 1 to 13. The number '2' is highlighted in grey, indicating it is selected.

Step 2: From the dropdown then visible, select the hall whose guest list you wish to view. A list with all the details of students who are visiting that Hall would be visible

This screenshot shows the same 'Manage Guests' interface after selecting Hall 2. The dropdown menu is now closed, and the table below has updated to show the details of a single guest. The guest listed is Sarthak Kohli, with a destination of A207, a roll number of 200886, and a phone number of 12345. There is also a red 'X' button next to the phone number field.

Step 3: To mark the exit of student, click on the *red cross* present at the right of the row

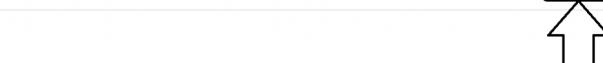
Sarthak Kohli	A207	200886	12345	
---------------	------	--------	-----------------------	--

3. Contacting students

Step 1: Click on the *Phone No.* in 4th column in front of student's name

Manage Guests

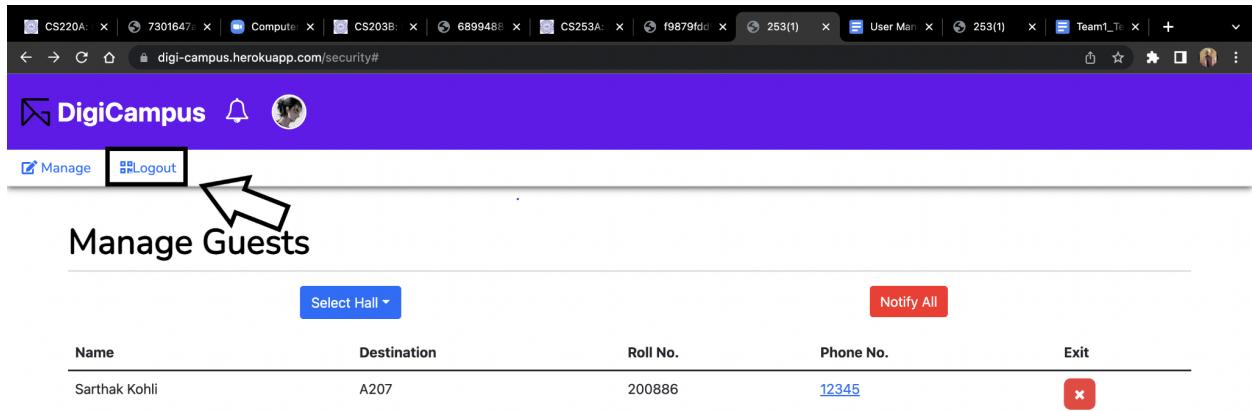
Name	Destination	Roll No.	Phone No.	Exit
Sarthak Kohli	A207	200886	12345	



Step 2: Choose a mobile app to place call

4. Logout

Steps: Click on *Logout* button on top navigation bar to logout of your account.



The screenshot shows a browser window with multiple tabs open. The active tab is 'digi-campus.herokuapp.com/security#'. The page has a purple header with the 'DigiCampus' logo and a navigation bar with 'Manage' and 'Logout' buttons. Below the header, the text 'Manage Guests' is displayed. A table lists a student: Name (Sarthak Kohli), Destination (A207), Roll No. (200886), Phone No. ([12345](#)), and Exit (red cross). A red box highlights the 'Logout' button in the top navigation bar, and a white arrow points from it to a red box highlighting the 'Logout' link in the table row.

Appendix A - Group Log

- 23-03-22: Aryan explored testing methods for the Django framework
24-03-22: Dishay explored testing the frontend functionalities.
29-03-22: Samarth and Sarthak fixed authentication bugs.
30-03-22: Samarth fixed the bug in which Hall entry time was being saved in UTC
31-03-22: Sarthak fixed the interlinking of buttons from one view to other view.
1-03-22: Sarthak and Samarth fixed the bug that the hall entry/exit form was not getting refreshed after a failed event.
02-03-22: Dishay did integration testing of the mess and hall entry/exit module.
01-04-22: Aayush did work on testing functional requirements.
02-04-22: Aryan, Dishay, and Shashwat worked on Unit testing.
03-04-22: Shashwat worked on Scheduler testing.
02-04-22: Dishay and Aryan worked on Module Testing.
02-04-22: Aryan worked on System Testing.
23-03-22 to 03-04-22: Sarthak and Samarth sorted out bugs found during testing as well as minor improvements to the project.
23-03-22 to 03-04-22: Girik, Ananya and Ankur worked on User Manual.