

USER MANUAL

FOR

HOSTEL MANAGEMENT

WEB APPLICATION

Submitted by:

BATTHALA VINOD KUMAR	- B191060CS
Pupalwad Ganesh Ashokrao	- B170537CS
THADI UMESH CHANDRA REDDY	- B190411CS
Adwin M	- B180481CS
Gopika vinod	- B180215CS

The web application is made with help of apache server and mysql database from xampp application. So it would be better xampp is preinstalled to use the webapplication. After installing the xampp start apache and mysql and click admin to open mysql database and do the following.

Database:

Create a database and create tables as shown below.

Containing the word:		Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/>	application			4	InnoDB	latin1_swedish_ci	48.0 Kib	-
<input type="checkbox"/>	hostel			6	InnoDB	latin1_swedish_ci	16.0 Kib	-
<input type="checkbox"/>	hostel_manager			4	InnoDB	latin1_swedish_ci	48.0 Kib	-
<input type="checkbox"/>	message			1	InnoDB	latin1_swedish_ci	32.0 Kib	-
<input type="checkbox"/>	room			20	InnoDB	latin1_swedish_ci	32.0 Kib	-
<input type="checkbox"/>	student			5	InnoDB	latin1_swedish_ci	48.0 Kib	-
6 tables		Sum		40	InnoDB	utf8mb4_general_ci	224.0 Kib	0 B

Student table

#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1 s_id	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	2 fname	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	3 lname	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	4 phone_no	varchar(13)	latin1_swedish_ci		No	None
<input type="checkbox"/>	5 department	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	6 year	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	7 email	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	8 password	varchar(255)	latin1_swedish_ci		No	None
<input type="checkbox"/>	9 h_id	int(10)			Yes	NULL
<input type="checkbox"/>	10 room_id	int(10)			Yes	NULL

Hostel manager table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	hm_id	int(10)			No	None		AUTO_INCREMENT
2	username	varchar(255)	latin1_swedish_ci		No	None		
3	fname	varchar(255)	latin1_swedish_ci		No	None		
4	lname	varchar(255)	latin1_swedish_ci		No	None		
5	phone_no	varchar(255)	latin1_swedish_ci		No	None		
6	h_id	int(10)			No	None		
7	password	varchar(255)	latin1_swedish_ci		No	None		
8	isadmin	tinyint(1)			Yes	0		

Hostel table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	hostel_id	int(10)			No	None		AUTO_INCREMENT
2	hostel_name	varchar(255)	latin1_swedish_ci		No	None		
3	available_rooms	varchar(255)	latin1_swedish_ci		Yes	NULL		
4	total_rooms	varchar(255)	latin1_swedish_ci		Yes	NULL		
5	students_present	varchar(255)	latin1_swedish_ci		Yes	NULL		

Room table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	room_id	int(10)			No	None		AUTO_INCREMENT
2	h_id	int(10)			No	None		
3	room_no	int(10)			No	None		
4	allocated	tinyint(1)			Yes	0		

Message table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	msg_id	int(10)			No	None		AUTO_INCREMENT
2	sender_id	varchar(255)	latin1_swedish_ci		Yes	NULL		
3	receiver_id	varchar(255)	latin1_swedish_ci		Yes	NULL		
4	hostel_id	int(10)			Yes	NULL		
5	subject_h	varchar(255)	latin1_swedish_ci		Yes	NULL		
6	message	varchar(255)	latin1_swedish_ci		Yes	NULL		
7	msg_date	varchar(255)	latin1_swedish_ci		Yes	NULL		
8	msg_time	varchar(255)	latin1_swedish_ci		Yes	NULL		

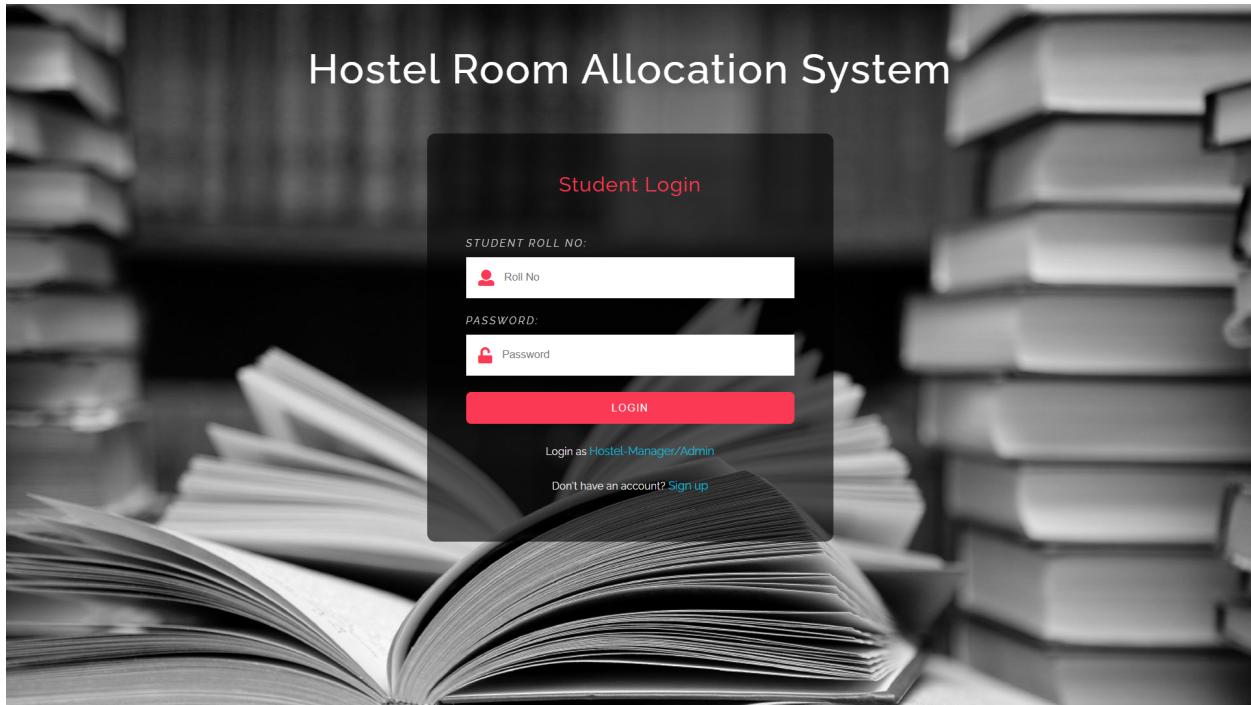
Application table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Application_id	int(100)			No	None		AUTO_INCREMENT
2	Student_id	varchar(255)	latin1_swedish_ci		No	None		
3	Hostel_id	int(10)			No	None		
4	Application_status	tinyint(1)			Yes	NULL		
5	Room_No	int(10)			Yes	NULL		
6	Message	varchar(255)	latin1_swedish_ci		Yes	NULL		

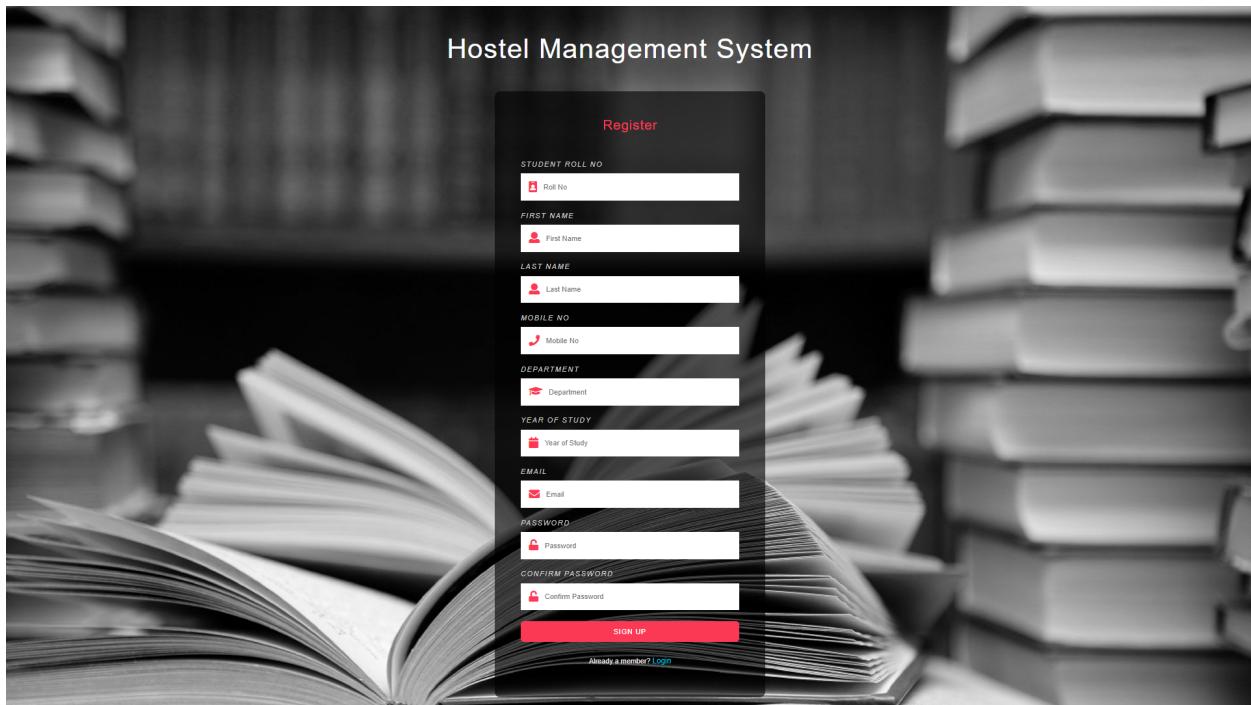
After creating database , copy the code folder(which is provided) at htdocs inxampp folder in the system.Then type “localhost/dbms” (depends on the name of the folder) in browser and the web application starts.

User is ‘Student’:

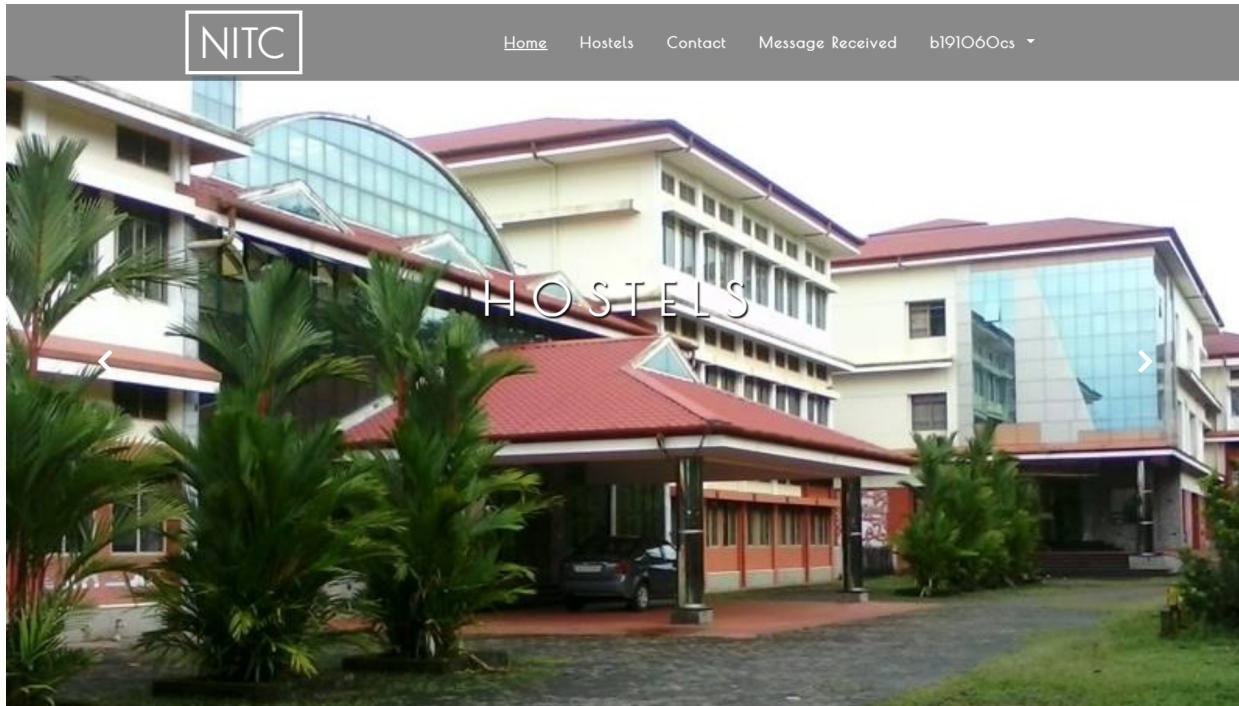
1. Login page is shown as below.If the student is not registered then he can do it by clicking on signup.



2. The signup page looks like this after successful registration the student is taken to login page where he can loginto the system.



3. The student home page looks like this.



4. On clicking hostels in upper banner the student can select the hostel he wants from options shown.

The screenshot shows a "Select From Hostels" page. At the top, there is a navigation bar with the NITC logo and links for Home, Hostels (which is underlined, indicating it's the active page), Contact, Message Received, and a user profile. Below the navigation, the page title "Select From Hostels" is displayed. Six options are listed in a 2x3 grid:

A HOSTEL	B HOSTEL	C HOSTEL
<input type="radio"/> 1 yr	<input type="radio"/> 3 yr	<input type="radio"/> 2 yr
D HOSTEL	E HOSTEL	F HOSTEL
<input type="radio"/> 4 yr	<input type="radio"/> 4 yr	<input type="radio"/> 4 yr

5. On selecting the hostel the application page shows up where the student can send application to hostel manager requesting for accommodation. One student

can send only one application .He can send another application if the old one is rejected.



Home Hostels Contact Message Received b191O6Ocs ▾

Application Form

BATTHALA VINOD KUMAR	Message...
b191O6Ocs	
A	
Password	Click To Apply

6. In case of enquiry the student can message the hostel manager corresponding to the hostel with subject and information.This can be done by clicking on the contact button on upper banner .



Home Hostels **Contact** Message Received b191O6Ocs ▾

Contact Us

Hostel Name	Message...
BATTHALA VINOD KUMAR	
b191O6Ocs	
Subject	Submit

7. The student can view the replies from hostel manager by clicking on the messages received in upper banner.

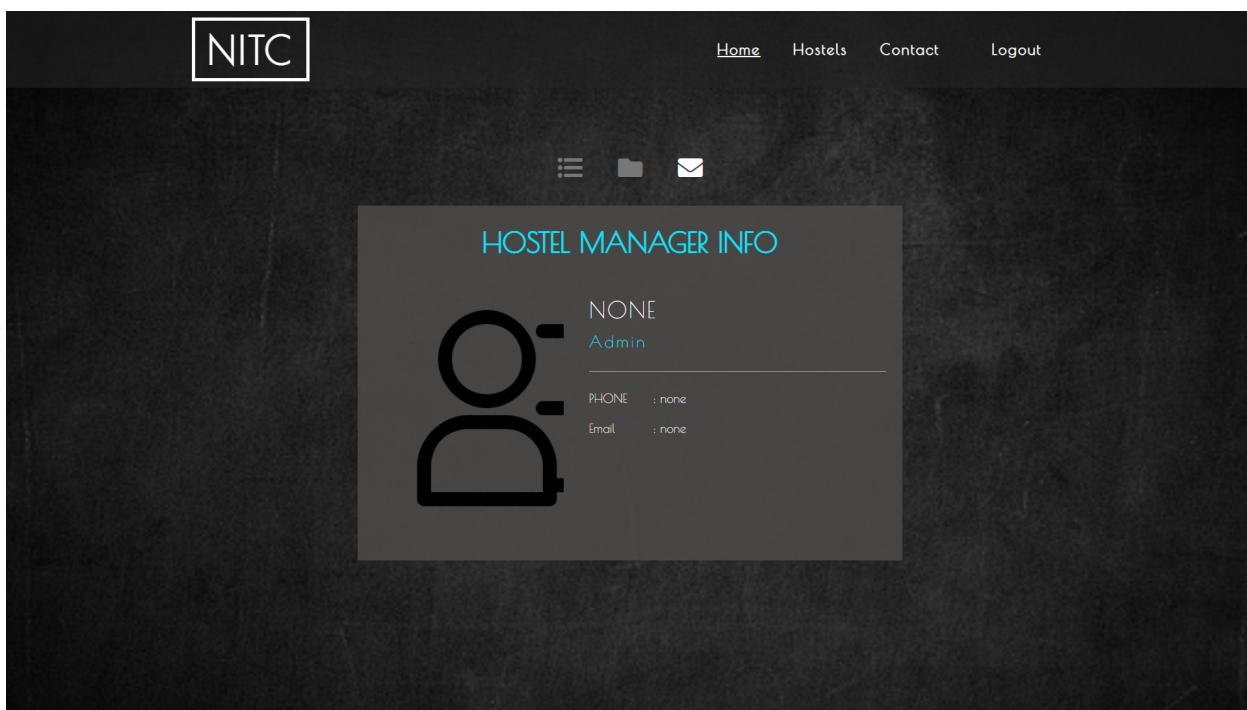
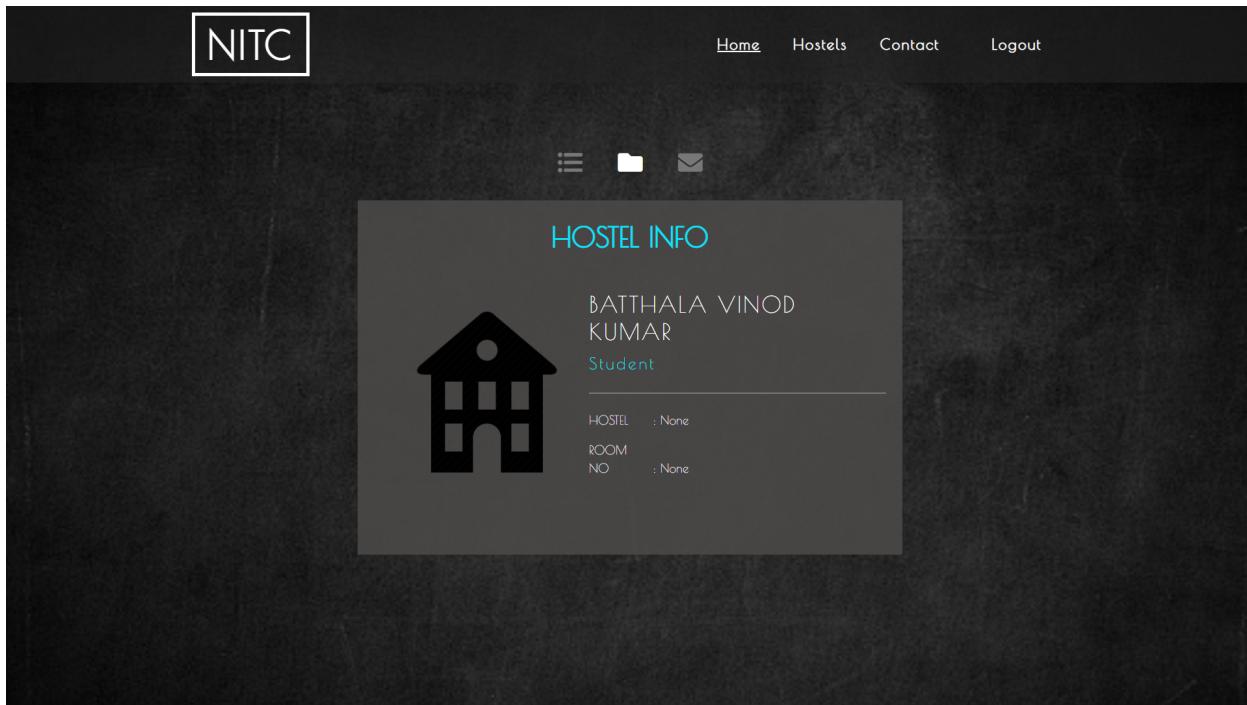
The screenshot shows a dark grey header bar with the "NITC" logo in a white box on the left. To the right of the logo are navigation links: Home, Hostels, Contact, Message Received, and b191O6Ocs with a dropdown arrow. The "Message Received" link is underlined, indicating it is the active page.



8. The student can view his details by clicking on his roll number followed by profile in the drop down menu.In page he can view his personal information ,hostel , hostel manager details by choosing the icons.

The screenshot shows a dark grey dashboard with the "NITC" logo at the top left. On the right side, there are three icons: a list (three horizontal lines), a folder, and an envelope. Below these icons is a modal window titled "PERSONAL INFO". Inside the modal, there is a large user icon on the left. To the right of the icon, the student's name "BATTHALA VINOD KUMAR" is displayed, along with the title "Student". Below this, there is a table with the following data:

Roll No	: b191O6Ocs
PHONE	: 06309332416
DEPT	: cse
YEAR OF STUDY	: 2021

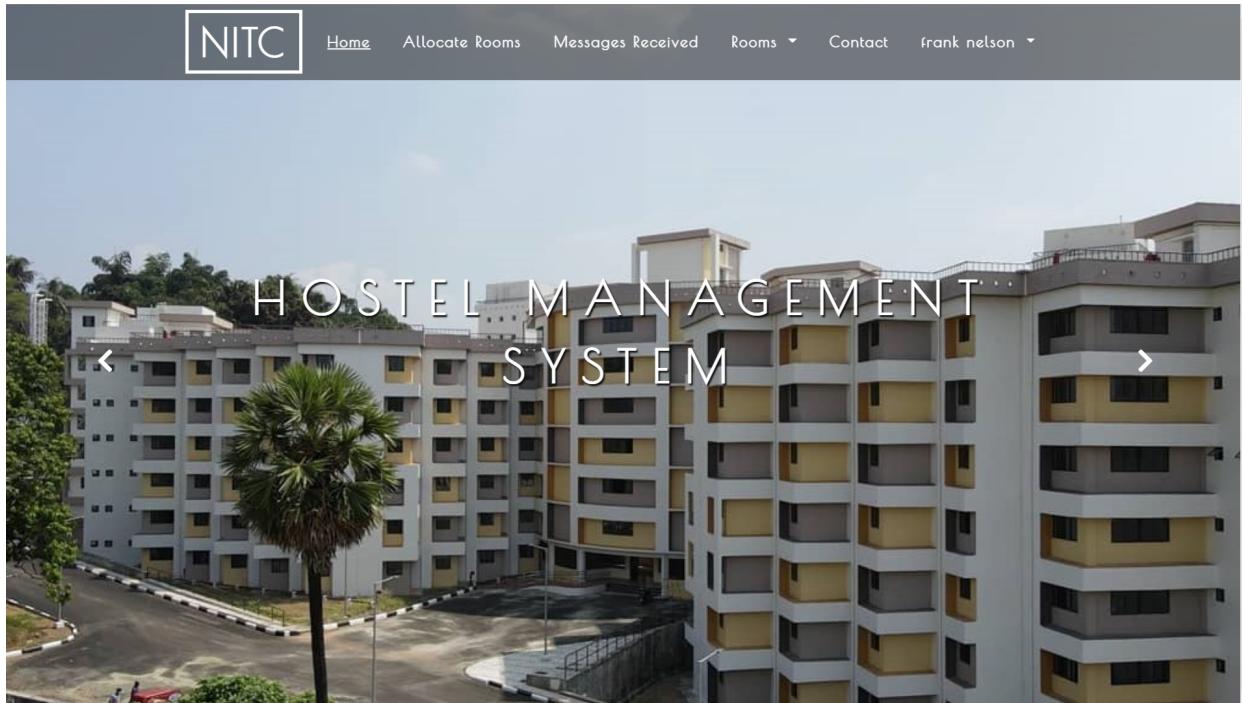


- Lastly the student can log out of the system by clicking on logout in drop down menu of roll number .

Hostel Manager/Admin should login from home index page on clicking login as hostelmanager text.Admin login credentials are pre determined and admin creates hostel manager login credentials.There is no signup for hostel managers.

User is ‘Hostel Manager’:

1. Hostel Manager’s home page is shown as below.



2. On clicking allocate rooms the manager can see all the applications received from students. On clicking the allocate button the system appoints room to all students till there is vacancy. The manager can also search for particular student’s application by entering his roll number in the search field.

Student Name	Student ID	Hostel	Message
No Rows Returned			

Allocate

3. On clicking rooms a drop down menu will appear with options rooms allotted, vacant rooms and empty rooms. The web pages for corresponding options are shown below. The manager can view the allotted rooms and empty rooms and he can also vacate a student from his room.



Search by Roll Number Search

Rooms Allotted

Student Name	Student ID	Contact Number	Hostel	Room Number
No Rows Returned				



Search by Room Number Search

Empty Rooms

Hostel Name	Room Number
b	1
b	2
b	3
b	4
b	5



Vacate Form

Roll Number	<input type="button" value="Click To Vacate"/>
Room Number	

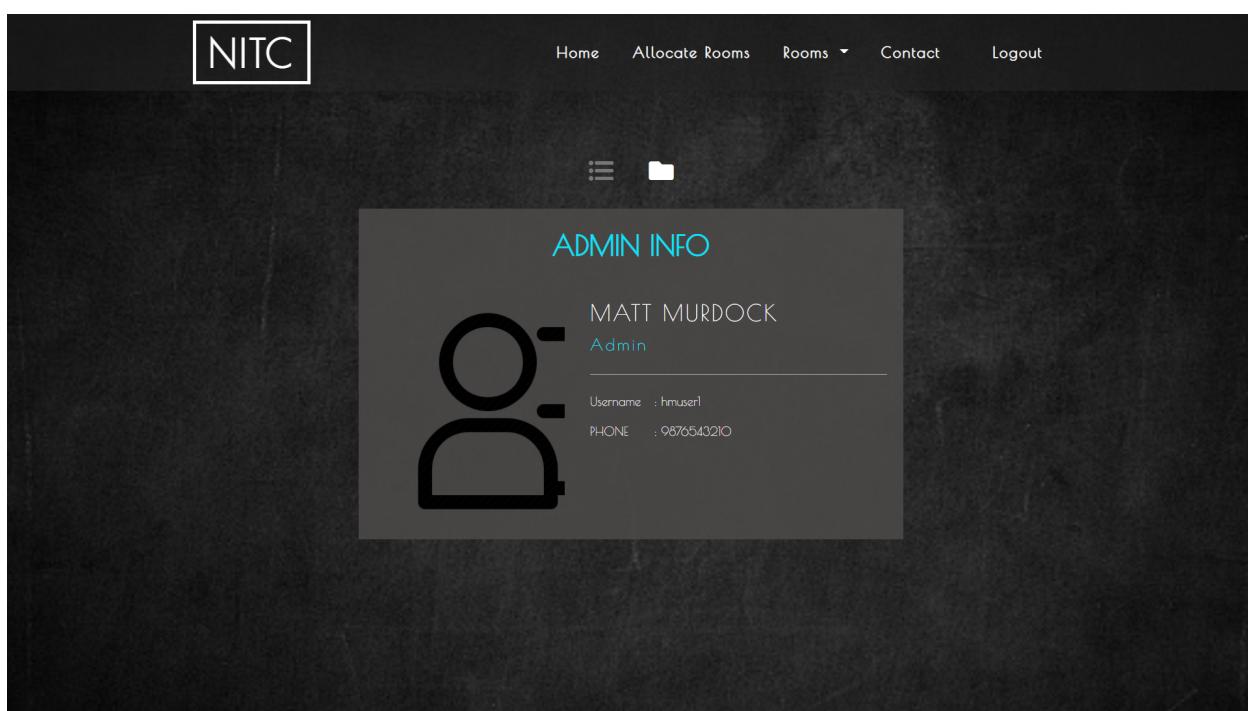
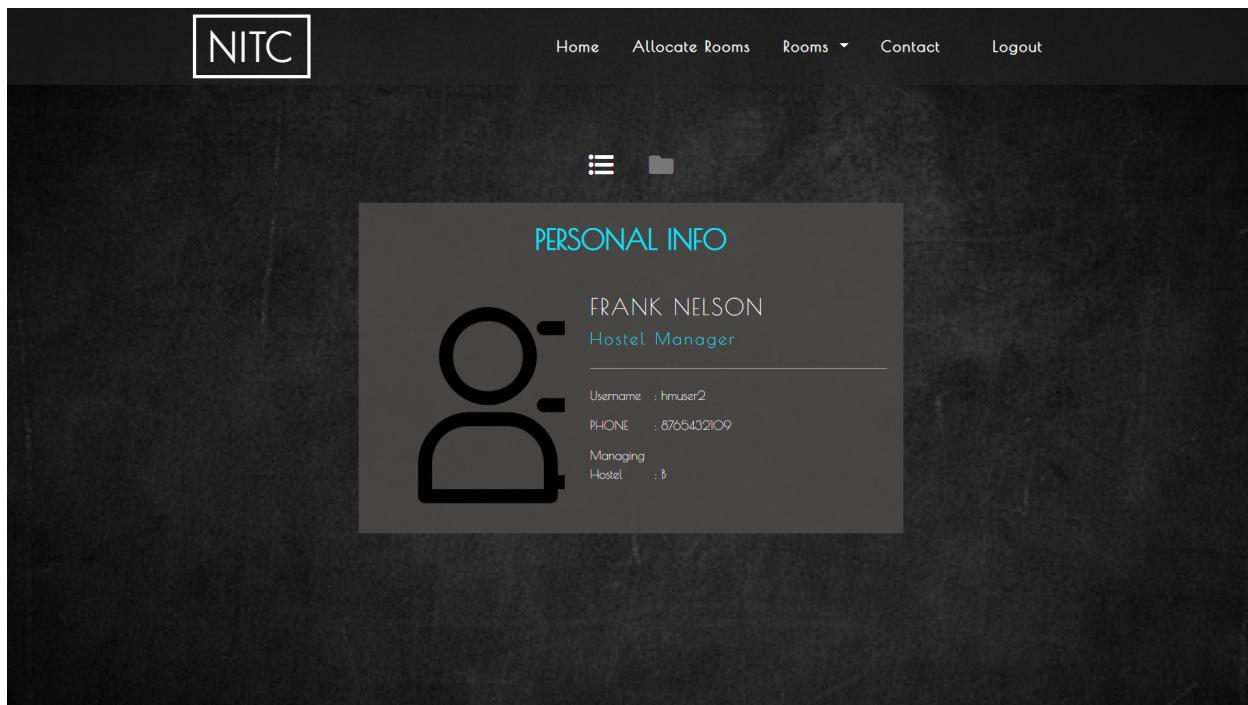
4. On clicking contact , manager can reply the students by entering his/her roll no and sending.The manager can view the messages in the messages received page.



Reply Students

Hmuser2	Message...
Student Roll Number	
Subject	<input type="button" value="Send"/>

5. On clicking the username in top the user can see the profile option on further clicking on it the manager can see his profile and also the admin details.



User is 'Admin':

1. Admin home page is as shown below.



2. On clicking allocate/remove hostel managers the below page is shown where admin can add hostel managers by providing their details and creating password for them. The next image shows the web page where the admin can remove hostel manager by providing their username.

The screenshot shows a dark-themed web application interface. At the top, there is a navigation bar with the logo 'NITC' on the left and links for 'Home', 'Appoint/Remove Hostel Manager', 'Students', 'Hostel Managers', and 'Logout'. Below the navigation bar is a modal window titled 'APPOINT HOSTEL MANAGER'. The modal contains several input fields: 'USERNAME', 'FIRST NAME', 'LAST NAME', 'MOBILE NO.', 'HOSTEL NAME', 'HOSTEL MANAGER'S PASSWORD', and 'CONFIRM HOSTEL MANAGER'S PASSWORD'. A blue 'Submit' button is located at the bottom right of the modal. There are also two small icons, a checkmark and an X, positioned above the title.

The screenshot shows a dark-themed web application interface. At the top, there is a navigation bar with the logo 'NITC' on the left and links for 'Home', 'Appoint/Remove Hostel Manager', 'Students', 'Hostel Managers', and 'Logout'. Below the navigation bar is a modal window titled 'REMOVE HOSTEL MANAGER'. The modal contains three input fields: 'USERNAME', 'HOSTEL NAME', and 'ADMIN PASSWORD'. A blue 'Submit' button is located at the bottom right of the modal. There are also two small icons, a checkmark and an X, positioned above the title.

3. On clicking students in the upper banner the admin can view the details of all students present in the system with their allocation status. Admin can also search for presence of particular student.

The screenshot shows a dark grey header bar with the NITC logo on the left. To its right are several menu items: Home, Appoint Hostel Manager, Students, Hostel Managers, and hmuser1 with a dropdown arrow. The 'Students' menu item is underlined, indicating it is the active page.

Search By Roll Number Search

Rooms Allotted

Student Name	Student ID	Contact Number	Hostel	Room Number
pupalvad ganesh	B170537CS	5678943210	None	None
gopika vino	B180215CS	6549873210	None	None
M adwin	B180481CS	1236547894	None	None
thad umesh	B190411CS	123456789	None	None
MATHALA VINOD KUMAR	B191060cs	06309332416	None	None

This screenshot is identical to the one above, showing the 'Students' menu item underlined in the header.

Search By Roll Number Search

Rooms Allotted

Student Name	Student ID	Contact Number	Hostel	Room Number
MATHALA VINOD KUMAR	B191060cs	06309332416	None	None
pupalvad ganesh	B170537CS	5678943210	None	None
gopika vino	B180215CS	6549873210	None	None
M adwin	B180481CS	1236547894	None	None
thad umesh	B190411CS	123456789	None	None
MATHALA VINOD KUMAR	B191060cs	06309332416	None	None

4. The admin can also view the managers present in the system with their details.

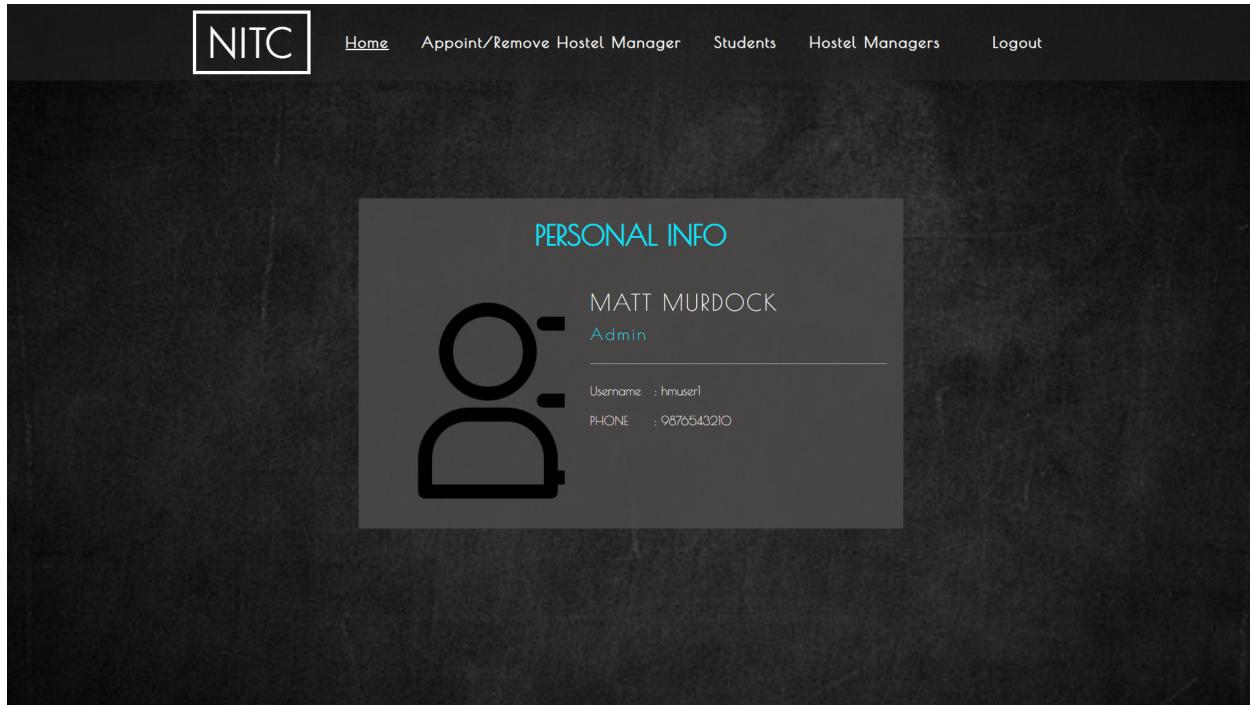


Search By Username				
username	Name	Contact Number	Hostel	Hostel Id
hmuser4	karen page	9865741223	3	C

Hostel Managers

username	Name	Contact Number	Hostel	Hostel Id
hmuser1	matt murdock	9876543210	1	A
hmuser2	frank nelson	8765432109	2	B
hmuser3	wilson fisk	8976543210	1	A
hmuser4	karen page	9865741223	3	C

5. The admin can view his profile on clicking profil ein the drop down menu from username.



6. The admin can logout on clickin gon logout.

This summarizes the working of system for various users present in the system. This web application helps with efficient manner of hostel allocation for both students as well as hostel management.

Thank You!