

VJCET HOSTEL WEBSITE SUMMARY

Evolve

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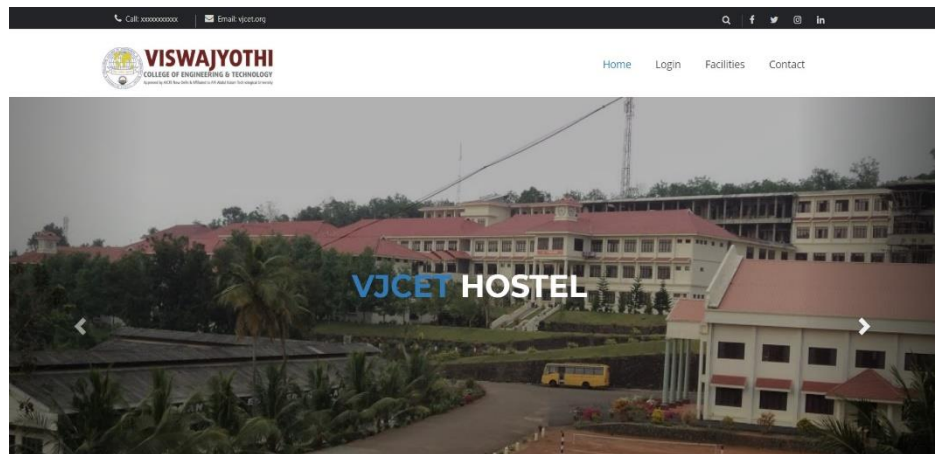
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VJCET HOSTEL AUTOMATION WEBSITE SUMMARY

General Information

VJCET hostel website consists of a collection of web page pages which includes **general view pages** and **account pages**. This website facility aims to digitalize the hostel management.



Features

The different features of VJCET hostel websites are:

- General view pages (**home page, login page, facilities page, contact page**).
- Account pages (**Manager, Warden, Admin, student, security** etc...)
- Hostel Room Management which includes facilities like **user registration** (lists of users are explained in below sections), **user deletion, room allocation, room updation**...etc.
- Two different **Room allocation modes** :(**Category mode**:- room allocation according to batches (specific number of rooms reserved for first years, second years etc... which is the normal procedure done in VJCET hostel). **Custom mode**:- No reservations for any batches (suitable in *COVID-19 pandemic* and in *summer holidays*)
- Daily **Attendance Input**
- **Attendance Viewer** (both daily and monthly) with user search and absentees feature.
- **Gate pass authentication** (only for midnight gatepass, required request authentication from administrator, only applicable for students)
- Generation of user specific **QR code** for all users (code generation based on hostel registration number ,name of user and College admission number(if provided by the user)).
- **Notification Sender**
- Hostel Management Facility for **both men and girls hostel**.

Technologies used

- ❖ Frontend:- React JS (completed)
- ❖ Backend:- Node.js, Express.js, MongoDB, Moongoose (under implementation)

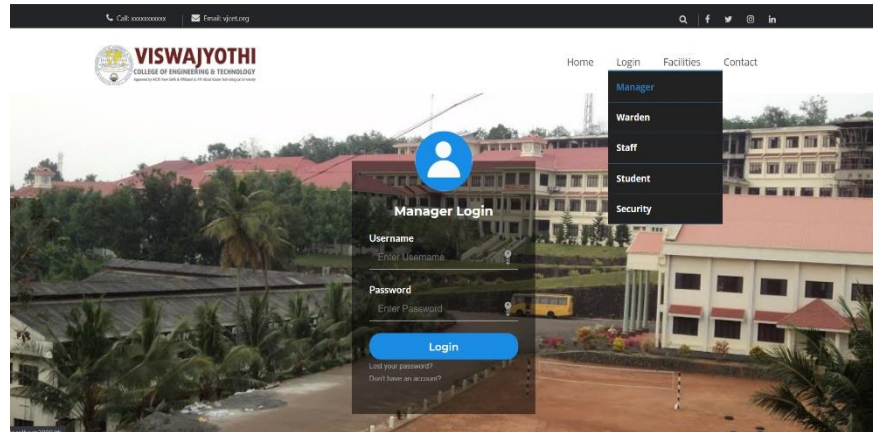
General Pages

➤ Home Page

This page contains *general information regarding VJCET hostel, a short message from manager, image gallery.*

➤ Login Page

Login page helps the users to login to different accounts which include manager, warden, administrator, student/tutor, security.

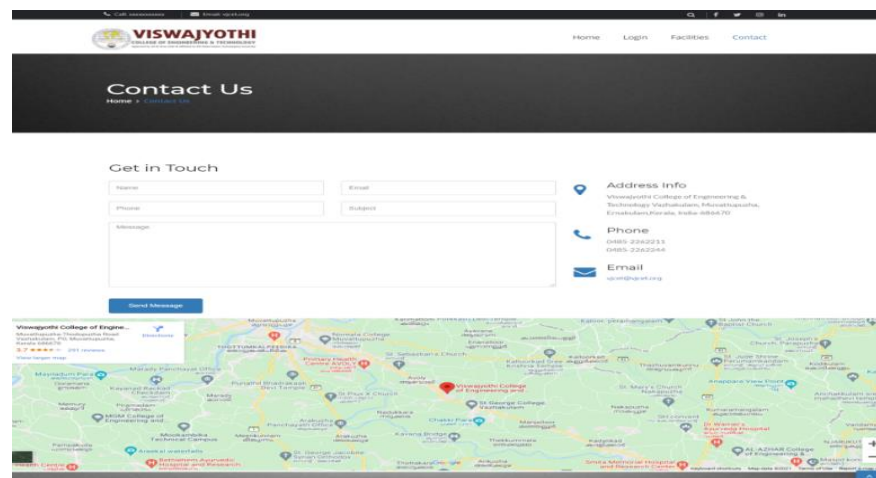


➤ Facilities Page

Facilities page provides a brief description of various facilities of VJCET hostel.

➤ Contact Page

Contact page contains the *contact details* of VJCET hostel, *location* of VJCET hostel using maps, and a query section for contacting with VJCET hostel.



Account Pages

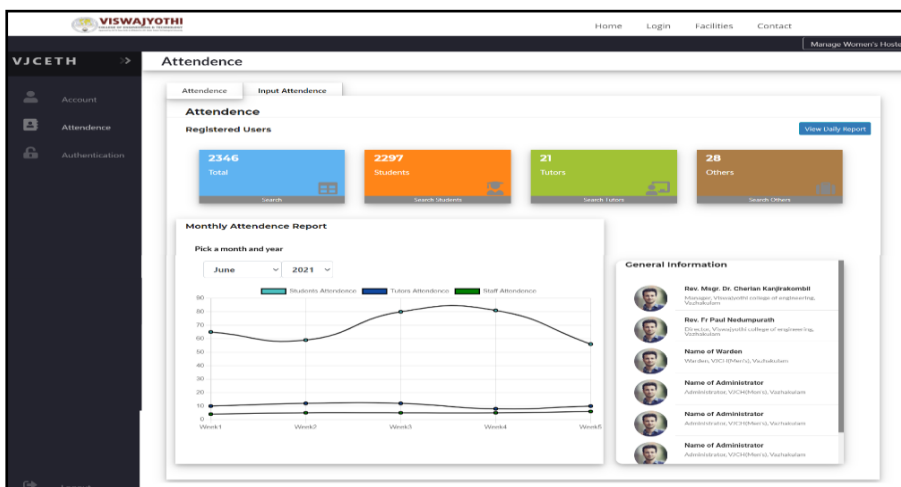
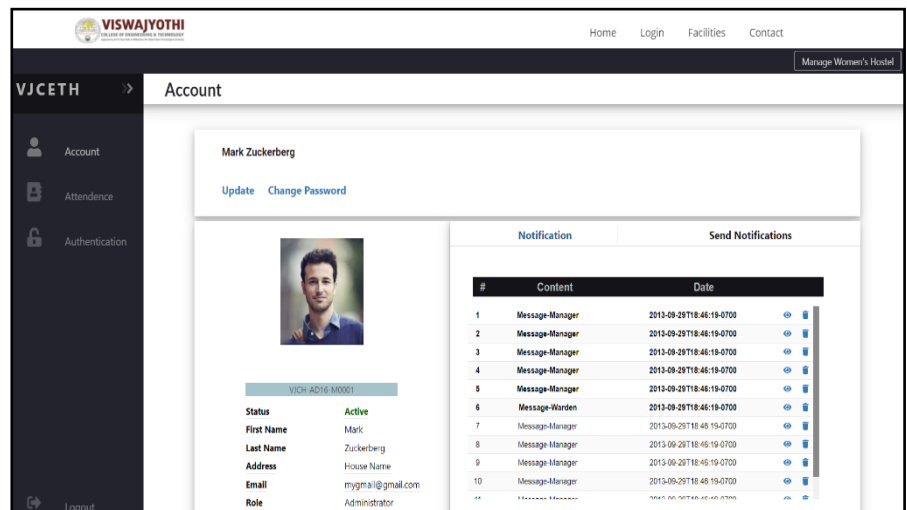
➤ Manager/Level-0 Administrator, Warden/Level-1 Administrator, Level-2 Administrator page

Only **Manager and Level-0 Administrator** accounts have access to control both men's and women's hostel.

Level-1 Administrator/Warden have access to authentication, room allocation, gatepass, view attendance, user management etc...

Level-2 Administrators have only access to input attendance and gatepass authentication.

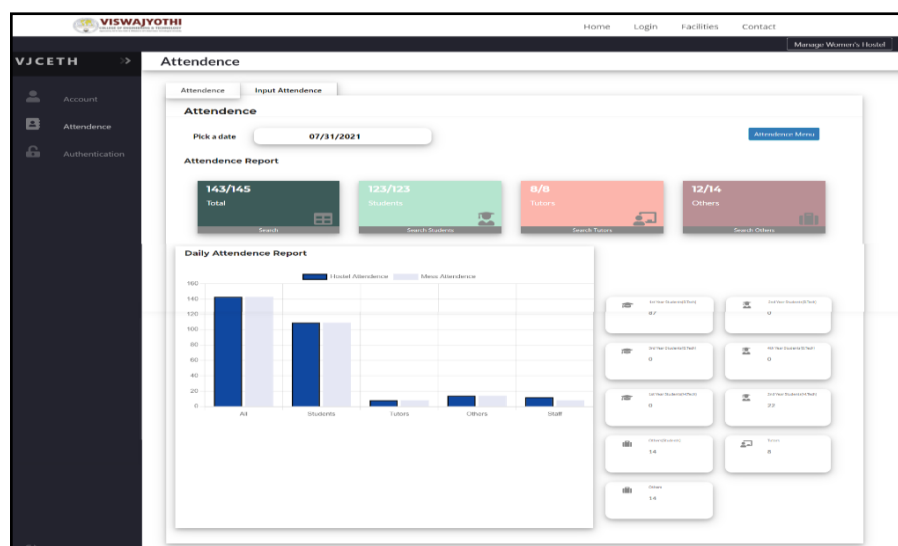
Note:: There will only a Level-0 Administrator.(highly recommended a professional from VJCET college).



Attendance section

Attendance section of account page displays the current registrations of users in hostel along with a visual representation of *monthly attendance*. The user can also view the *daily attendance* of hostel and user search facility when appropriate buttons are clicked.

Daily attendance can be viewed by a visual representation along with a block wise representation. User Search can be done from both daily and general attendance view pages.

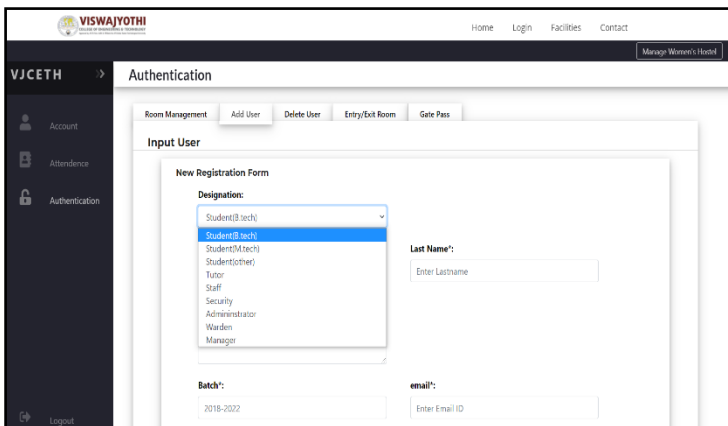
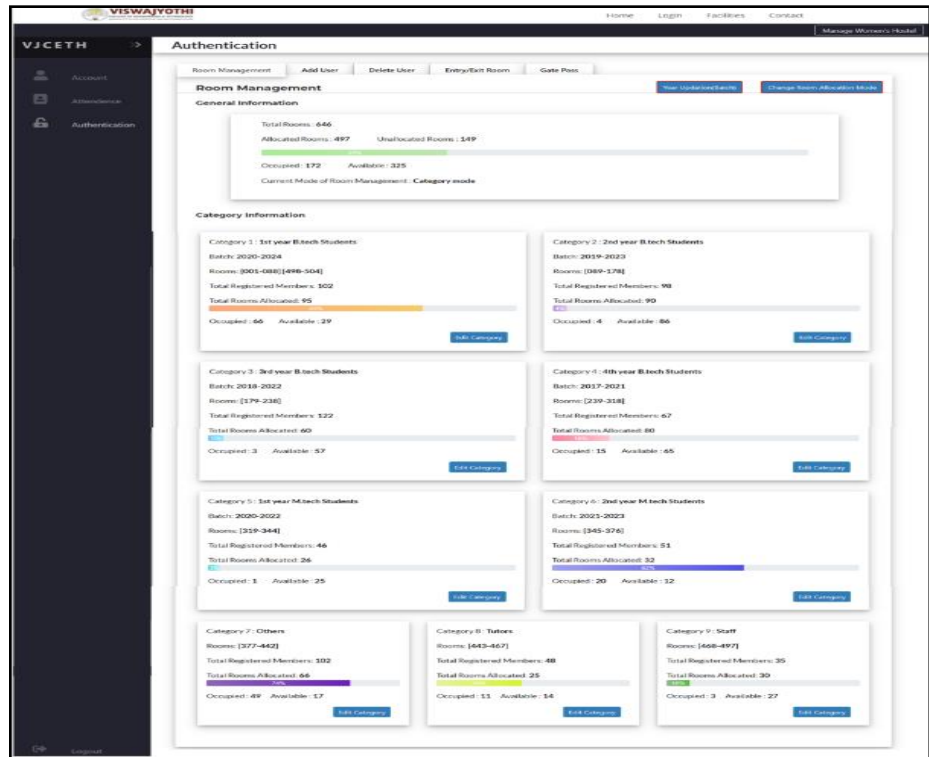


Authentication section

Authentication section consists of *room management page, user input page, user deletion page, user room exit/entry page and gatepass authentication page.*

The Level-1 admins can register any number of users and also, they can upgrade Level-2 admins to Level-1.

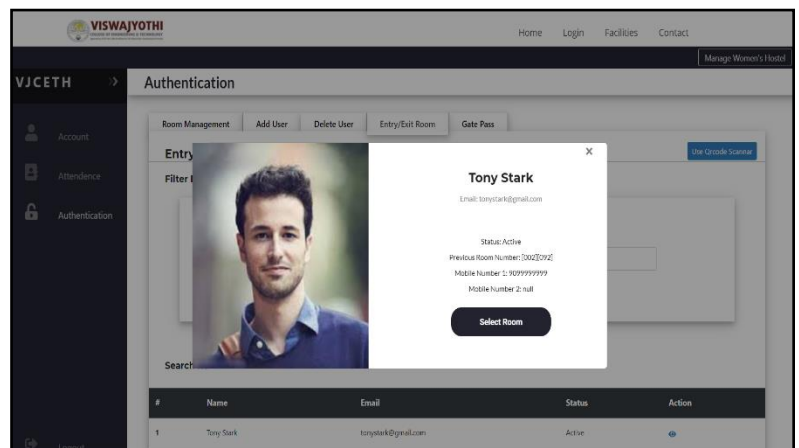
With the registration of new Manager account, the old account will automatically deleted



The Level-0 or Level-1 admin can register any user as of the following lists: *Student(B.tech), Student(M.tech), Student(Other), Tutor, Security, Warden, Manager, Administrators(Level-1 or Level-2).*

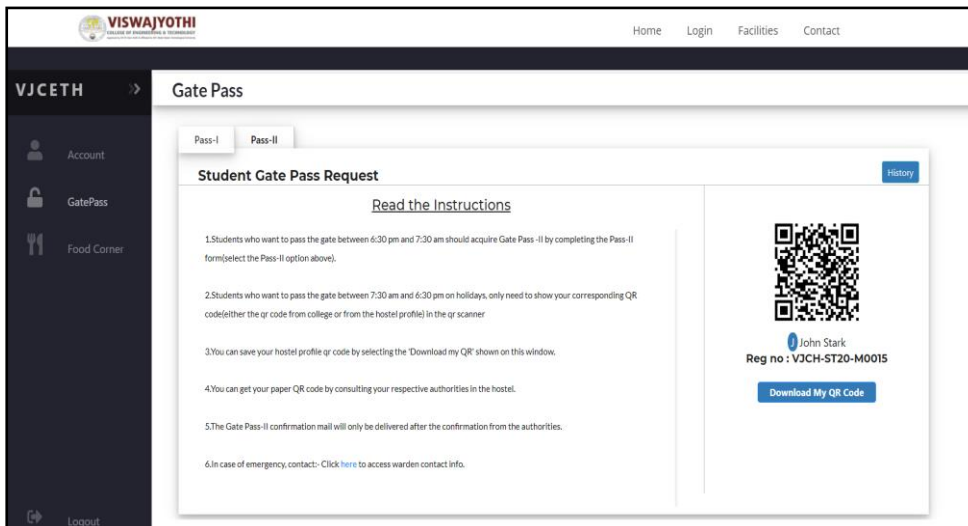
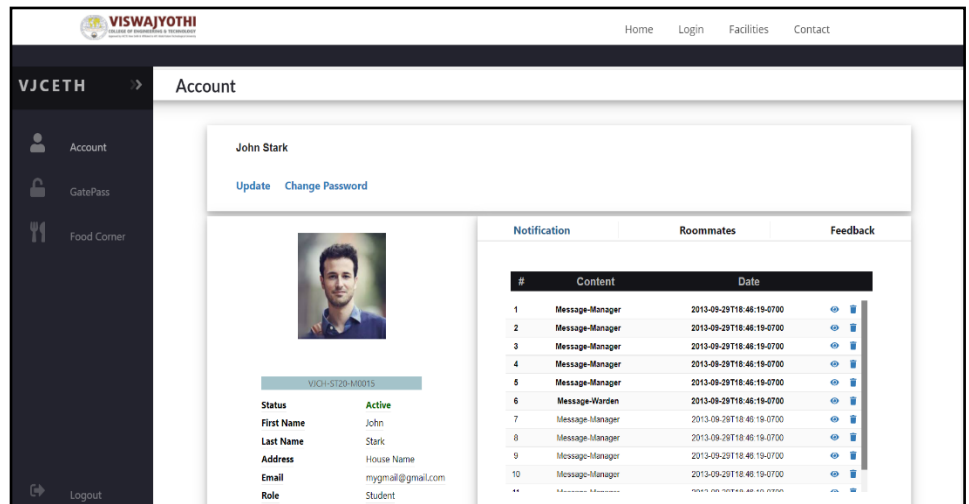
On registration of any user, a **confirmation mail** will be send to the user.

After confirmation, the user needs to update the details of him/her using the student account page. After the updation, the account will be on Active state and hence, the admin can proceed to provide room to the user in hostel.



➤ Student/Tutor Page

The sub-sections of student page are **account, gatepass, foodpass**. Features like **roommate contact access, roommate change request generator, feedback** (for both hostel facility and food) are also included. Gatepass is only available for student page.



Gatepass-I can be used by scanning the Qrcode and requires no authentication from admin. It can only be used from 7:30am to 6:30pm to pass the gate.

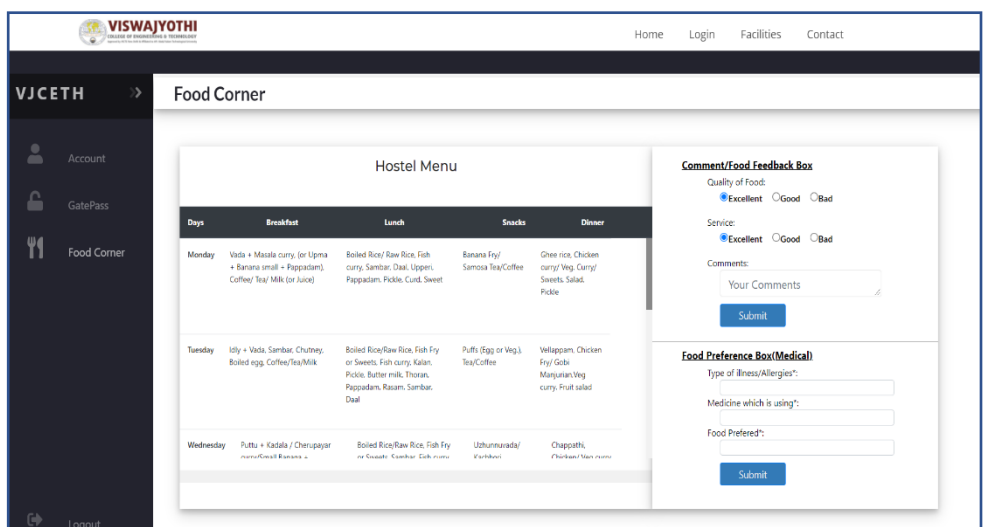
Gatepass-II is required to *pass the gate between 6:30pm and 7:30am*.

Students need to request for Gatepass-II in the Gatepass-II request form with date for gatepass and reason for gatpass.

After the Administrator authentication on gatepass, a 4 digit code will be sent to the email of the user. This code wants to be given to the security to pass the gate.

In the **foodcorner page**, detailed food menu of VJCET hostel will be available.

In addition to food menu, food feedback and food preference request box (for students with medical problems) are available.



➤ Security Page

The sub-sections of security page are account and gatepass. The security can either find the details of the student for gatepass using manual id entry or by using qr code scanner.

VJCETH > Account

Abhishek Thakur

Update Change Password Deactivate

Notification **Feedback**

#	Content	Date
1	Message-Manager	2013-09-29T18:46:19-0700
2	Message-Manager	2013-09-29T18:46:19-0700
3	Message-Manager	2013-09-29T18:46:19-0700
4	Message-Manager	2013-09-29T18:46:19-0700
5	Message-Manager	2013-09-29T18:46:19-0700
6	Message-Manager	2013-09-29T18:46:19-0700
7	Message-Manager	2013-09-29T18:46:19-0700
8	Message-Manager	2013-09-29T18:46:19-0700
9	Message-Manager	2013-09-29T18:46:19-0700
10	Message-Manager	2013-09-29T18:46:19-0700

Account Details:

- Status: Active
- First Name: Abhishek
- Last Name: Thakur
- Address: House Name
- Email: mygmail@gmail.com
- Role: Security

Logout

VJCETH > Gate Pass

QR-Scanner Notification History

Gate pass confirmation

Scan your QR code to display the gate pass confirmation

Logout

VJCETH > Gate Pass

QR-Scanner Notification History

Gate pass confirmation

Search by Id number: [Search Icon]

#	ID No.	Name	Date
1	324	Tony Stark	2013-09-29
2	325	Tony Baby	2013-09-29
3	326	Tony Marcus	2013-09-29
4	327	Bastie joe	2013-09-29
5	328	Tony Baby	2013-09-29
6	329	Tony Mas	2013-09-29
7	330	Tony Mesi	2013-09-29
8	331	Benny Stark	2013-09-29
9	332	Boby Stark	2013-09-29
10	333	James Stark	2013-09-29
11	334	Bob Stark	2013-09-29
12	335	Mas Stark	2013-09-29

Logout