

COLLEGE MANAGEMENT

ABSTRACT

In today's world, most colleges have their own websites to showcase the information related to their history, the courses they offer, faculties, notifications, events etc. But in most cases students do not check this site because these sites are not updated on a daily basis. Most of the information gets updated quarterly. Students and staffs do not have much role in the websites other than checking this information.

Here, the proposed system provides data about salary of each staff and attendance report of concerned students. Only the concerned staff can view his / her salary details. Similarly students can login to this system to view fee payment details.

EXISTING SYSTEM

In existing system, salary details of staffs are stored manually in ledgers, or as spreadsheets. Only office staffs have access to this system. Teaching staffs do not have access to these data. Similarly students / parents find it difficult to maintain a report about the fees paid and pending fees. In most cases, this brings the students to a situation where they have to pay extra fine for the delay made in paying their fees.

PROPOSED SYSTEM

In the proposed system, all staffs can make access to their account using their username and password. They can track details about the salary history. Similarly students can know the fee due, and their previous fee payments. Attendance can also be tracked easily.

MODULE DESCRIPTION

Main Users are,

1. Admin
2. Staff
3. Student

Functions of Administrator:

- Login
- Department management
- Course management
- Staff management
- Staff attendance management
- Batch management
- Batch allocation to staff
- Student management
- Salary management
- Fee details management
- View leave request from staff and approval
- View reports
 1. Attendance report of staffs
 2. Salary report
 3. Fee payment report
 4. Due fee report

Functions of Staff

- Login
- View profile
- View attendance report
- View salary
- Send leave request and view status
- View allocated batch
- View students

- Mark student attendance
- View leave request from student and approval

Functions of Student

- Login
- View profile
- View fee details
- Payment
- View previous payment history
- Send leave request
- View request status
- View attendance report

SYSTEM SPECIFICATION

Hardware requirements

- MEMORY : 40GB free space
- RAM : 4 GB or above
- PROCESSOR : Intel core i3 or above

Software requirements

- OPERATING SYSTEM : WINDOWS 8 or above
- FRONT END : HTML, JS, CSS
- BACK END : MySQL
- LANGUAGE : Python
- IDE USED : PyCharm

TABLE DESIGN

Login

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Username	Varchar(50)	NOT NULL
Password	Varchar(50)	NOT NULL
Usertype	Varchar(20)	NOT NULL

Department

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Dept_name	Varchar(50)	NOT NULL
Dept_loc	Varchar(50)	NOT NULL

Program

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Program name	Varchar(50)	NOT NULL
DEPARTMENT	Varchar(50)	FOREIGN KEY

Staff

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Name	Varchar(50)	NOT NULL
Email	Varchar(50)	UNIQUE
Phone	Varchar(50)	NOT NULL
Place	Varchar(50)	NOT NULL
Pin	int	NOT NULL
Post	Varchar(50)	NOT NULL

Staff attendance

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Date	date	NOT NULL
STAFF	Varchar(50)	FOREIGN KEY
Status	Varchar(50)	NOT NULL

Batch

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Batch name	Varchar(50	NOT NULL

Allocation

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
BATCH	Varchar(50)	FOREIGN KEY
STAFF	Varchar(50)	FOREIGN KEY

Salary

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
STAFF	Varchar(50)	FOREIGN KEY
Date	date	NOT NULL
Amount	float	NOT NULL

Fees

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
COURSE	Varchar(50)	FOREIGN KEY
Semester	Varchar(50)	NOT NULL
Fee	float	NOT NULL

Leave request

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
STAFF	Varchar(50)	FOREIGN KEY
Date	date	NOT NULL
Reason	Varchar(50)	NOT NULL
Status	Varchar(50)	NOT NULL

Student

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Name	Varchar(50)	NOT NULL
Email	Varchar(50)	UNIQUE
Phone	Varchar(50)	NOT NULL
Adhar	Varchar(50)	UNIQUE
Place	Varchar(50)	NOT NULL
Pin	int	NOT NULL
Post	Varchar(50)	NOT NULL
Course	Varchar(50)	NOT NULL
Semester	Varchar(50)	NOT NULL
Photo	Varchar(50)	NOT NULL

Student attendance

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Date	date	NOT NULL
STUDENT	Varchar(50)	FOREIGN KEY
Status	Varchar(50)	NOT NULL

Student leave

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
Date	date	NOT NULL
STUDENT	Varchar(50)	FOREIGN KEY
Reason	Varchar(50)	NOT NULL
Status	Varchar(50)	NOT NULL

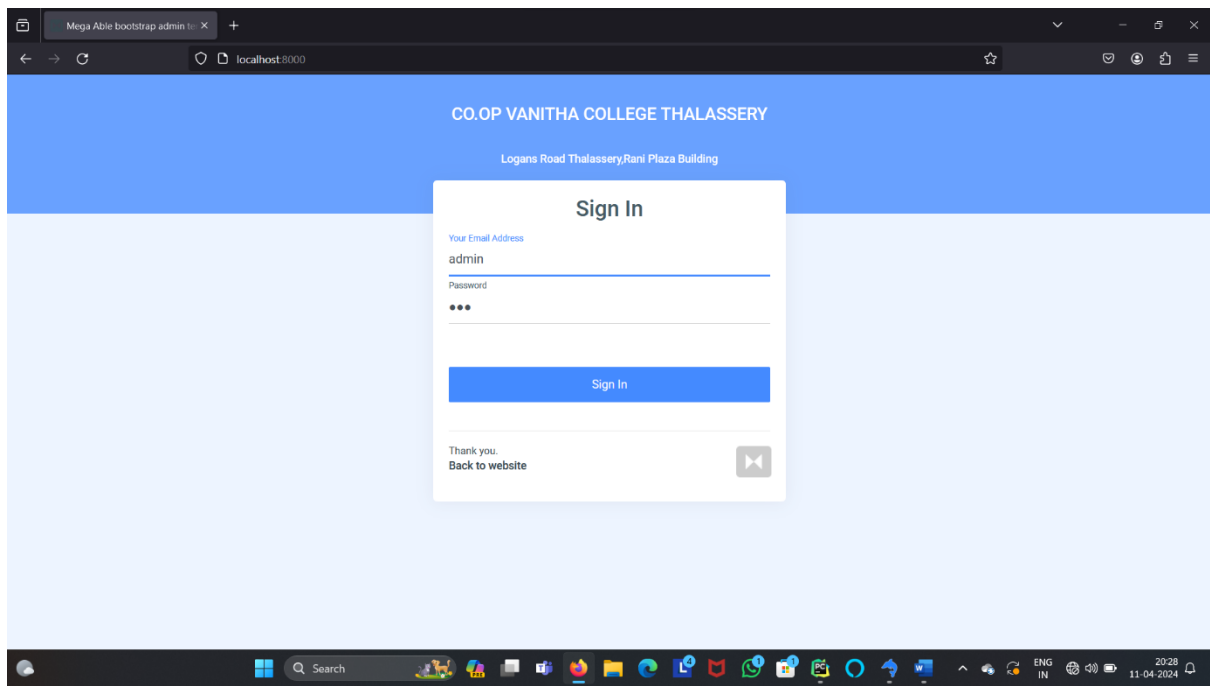
Payment

Column name	Data type	Constraints
Id	Bigint	PRIMARY KEY
STUDENT	Varchar(50)	FOREIGN KEY
FEES	Varchar(50)	FOREIGN KEY
Date	date	NOT NULL
Payment_Status	Varchar(50)	NOT NULL

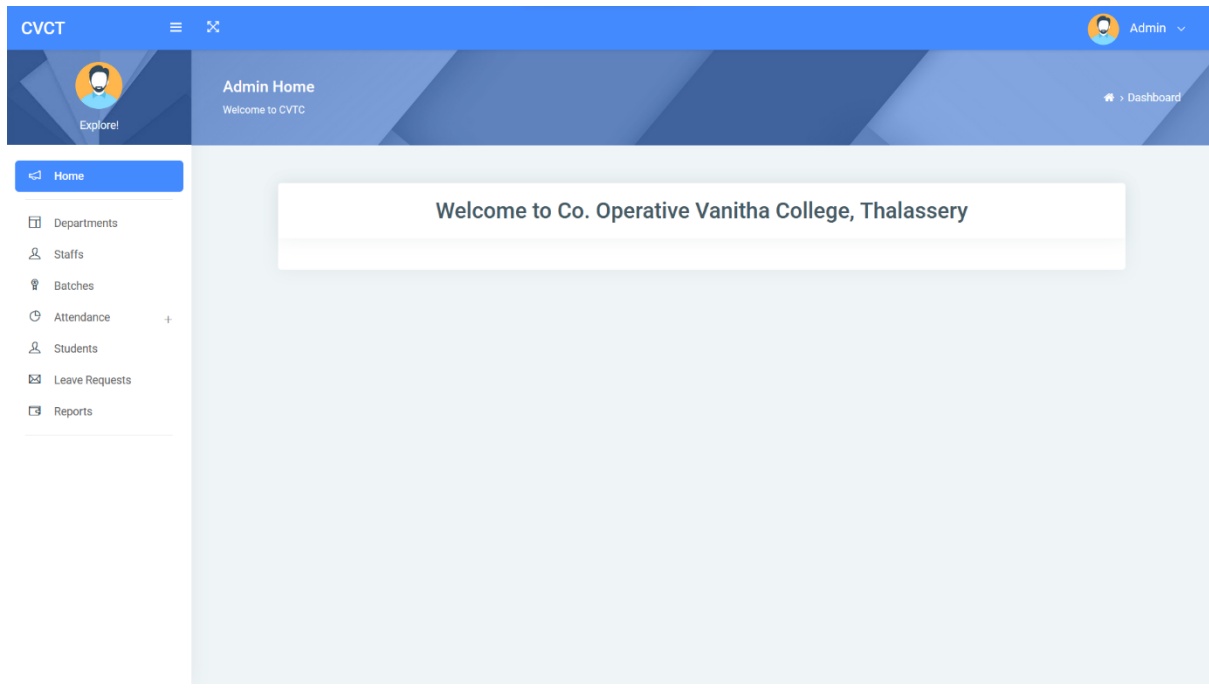
PROCESS LOGIC SCREENSHORT

ADMIN

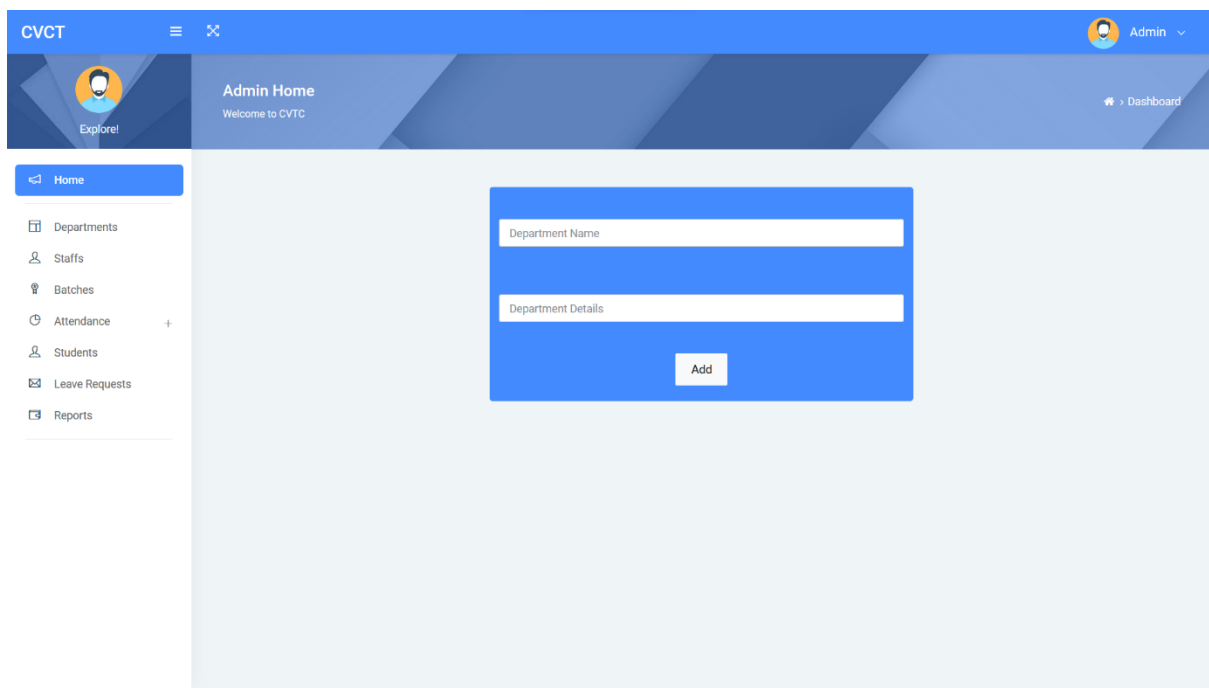
LOGIN:



ADMIN HOME:



ADD DEPARTMENT:



VIEW DEPARTMENT:

CVCT

Admin

Admin Home
Welcome to CVTC

Dashboard

Home

Departments

Staffs

Batches

Attendance

Students

Leave Requests

Reports

Add Department

Sl. No	Departmentname	Details	Manage	Courses
1	Bachelor of Arts	Block A	<div>Update</div> <div>Delete</div>	<div>View Courses</div>
2	Teacher Training	Block B	<div>Update</div> <div>Delete</div>	<div>View Courses</div>
3	Medical	Block C	<div>Update</div> <div>Delete</div>	<div>View Courses</div>
4	PSF	Block B	<div>Update</div>	<div>View Courses</div>

ADD COURSE

CVCT

Admin

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Students

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Reports

Course Name

Course Name

Strength

30

Fee Structure

Semester 1

1000

Semester 2

1000

Semester 3

1000

Semester 4

1000

Semester 5

1000


Semester 6

1000

Add

VIEW COURSE

CVCT

 Admin

Explore!

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Reports

Add Course

SL No	Course name	Strength	Fee Amount	Manage
1	BA English	30	Semester 1: 5000 Semester 2: 5000 Semester 3: 5000 Semester 4: 5000 Semester 5: 5000 Semester 6: 5000	Delete
2	BA History	30	Semester 1: 5000 Semester 2: 5000 Semester 3: 5000	Delete

ADD STAFF

CVCT

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Students

Leave Requests

Reports

Name

Enter name

Email

Enter email-id

Phone number

1234567890

Place

Post

Pin

670456

Photo

Browse... No file selected.

Department

Select a department

Bank Details

Account Number

123456789012

IFSC

SBIN001234


Bank

Select a Bank

Add

VIEW STAFF

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Add Staff


All

Search

SL No	Name	Contact	Address	Bank Details	Photo	Manage	Allocate
1	Sreesan	sreesan@gmail.com 9526126517	Thalassery, post: Andaloor, 670321	State Bank of India, 432516712345, SBIN001234		<div>Update</div> <div>Delete</div>	Batch Allocation
2	Laseena	lasi@gmail.com 8712345167	Thalassery, post: Vadakkumbad, 670432	State Bank of India, 341256728912, SBIN0012300		<div>Update</div> <div>Delete</div>	Batch Allocation
3	Sayana	sayana@gmail.com 9234167281	Thalassery, post: Parapram, 670741	State Bank of India, 523416789210, SBIN0002342		<div>Update</div> <div>Delete</div>	Batch Allocation

ADD BATCH

CVCT

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Reports

Start Year

End Year


Start year


End Year

Add


VIEW BATCH

CVCT

 Admin

 Explore!

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Departments

Staffs

Batches

Attendance +

Students

Leave Requests


Reports


Add Batch

SL No	Batch	
1	2019to 2022	Delete
2	2020to 2023	Delete
3	2021to 2024	Delete


BATCH ALLOCATION TO STAFF

CVCT

 Admin

 Explore!

Admin Home
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Departments

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Attendance +

Students

Leave Requests

Reports

Select a Batch

Add

CVCT

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Reports

2019 to 2022

SL	Course name	Allocate Courses	Set InCharge
1	BA English	<input type="checkbox"/>	Set as InCharge
2	BA History	<input type="checkbox"/>	Set as InCharge
3	BA Economics	<input type="checkbox"/>	Set as InCharge

Add

ADD STAFF ATTENDANCE

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Reports

Select a department

CVCT

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Select a Department

PSF

SL NO	Staff Name	Contact	Select
1	Amrutha	8234156218	<div><div>Absent</div><div>Half Day</div><div>Full Day</div></div> <div><div><input type="radio"/></div><div><input checked="" type="radio"/></div><div><input type="radio"/></div></div>
2	Chandrika	7451327891	<div><div>Absent</div><div>Half Day</div><div>Full Day</div></div> <div><div><input type="radio"/></div><div><input type="radio"/></div><div><input checked="" type="radio"/></div></div>

Mark Attendance

VIEW ATTENDANCE

CVCT

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Leave Requests

Reports

PSF

Sl	Staff	Attendance: Total 1Working Days	More
1	Amrutha	0.5	<div>View More...</div>
2	Chandrika	1	<div>View More...</div>

ADD SALARY

CVCT

Admin

Explore!

Admin Home
Welcome to CVTC

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Departments

Staffs

Batches

Attendance

Students

Leave Requests

Reports

January

1000

Add



VehiMarket



Pay With UPI QR



Scan the QR using any UPI app on your phone.



QR Code is valid for
11:43 minutes

UPI, Cards & More



UPI / QR



Card



Netbanking



Wallet



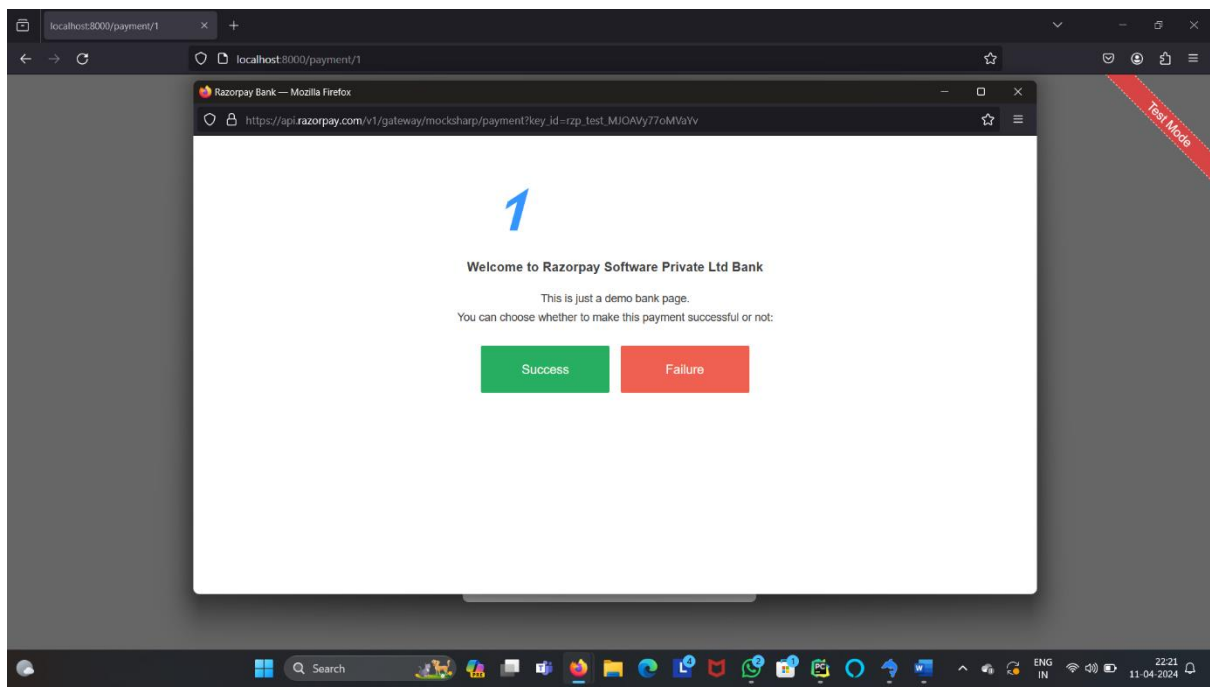
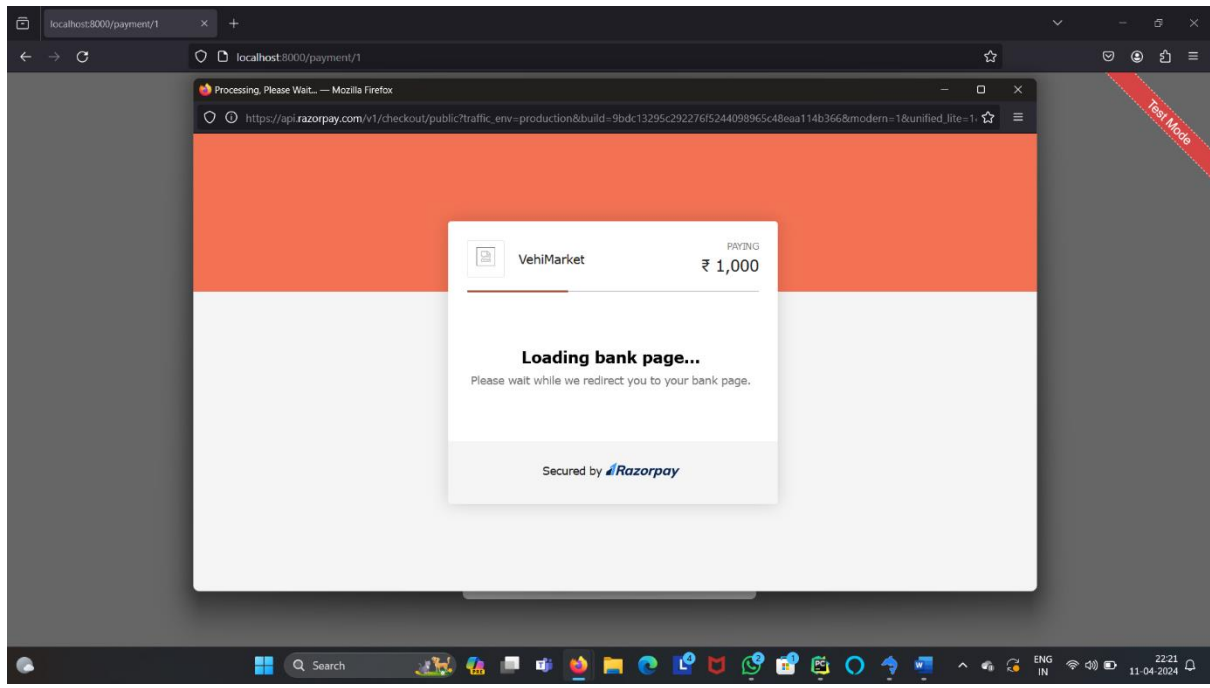
Pay Later



₹ 1,000

[View Details](#)

Pay Now





Payment successful

₹ 1,000

VehiMarket

Apr 11, 2024 | 10:21 PM

Card | pay_NxO5e8GU6wouD 
© Visit razorpay.com/support for queries

[Redirecting in 3 seconds...](#)

ADD STUDENT

CVCT

Admin

Explore!

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Reports

Name

Name

Email

Email

Phone

Phone

Aadhar number

Place

Place

Pin

Pin

Post

Post

Department

Select a Departmen

Course

Select a Course

Batch

Select a batch

Photo

Browse... No file selected.

Add

VIEW STUDENT

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Add Student

SL.No	Name	Contact	Adhar No	Address	Department	Course	Batch	Photo	Manage
1	Hridya Mohan	hridya@gmail.com, 7510131834	321456789054	Kannur 670641 Eruvatty	Bachelor of Arts	BA English	2021 to 2024		<div>Update</div> <div>Delete</div>
2	Aparna	aparna@gmail.com, 7834251678	542316789345	Kannur 670642 Kuthuparamba	Bachelor of Arts	BA English	2021 to 2024		<div>Update</div> <div>Delete</div>
3	Aswin Raj	aswin@gmail.com, 9865317843	231456321783	Kannur 670432 Sreekandapuram	Bachelor of Arts	BA English	2021 to 2024		<div>Update</div> <div>Delete</div>

VIEW LEAVE REQUEST

CVCT

Admin

Explore!

Admin Home

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Students

Leave Requests


Reports


Sl No	Reason	Date between	Date	
1	Family function	2024-04-16 to 2024-04-18	2024-04-11	Approve Reject

STAFF


VIEW PROFILE

CVCT

 Sreesan

 Sreesan

Hai, Sreesan
Welcome to CVCT


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Home

Leave Requests

Batches

Students Leave Requests



NameSreesan

Contactsreesan@gmail.com, 9526126517


AddressThalassery, Andaloor, 670321


Attendance

Salary


SEND LEAVE REQUEST

CVCT

 Sreesan

 Sreesan

Hai, Sreesan
Welcome to CVCT

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Home

Leave Requests

Batches

Students Leave Requests

From date

dd / mm / yyyy

To date


dd / mm / yyyy


Drop your reason

Request

VIEW LEAVE REQUEST STATUS


CVCT

 Sreesan

 Sreesan

Hai, Sreesan

Welcome to CVCT

 > Dashboard

Home

Leave Requests

Batches


Students Leave Requests


New Request

Sl No	Reason	Date	status
1	Family function	2024-04-11	pending

VIEW ALLOCATED BATCH


CVCT

 Sreesan

 Sreesan

Hai, Sreesan

Welcome to CVCT

 > Dashboard

Home

Leave Requests


Batches

Students Leave Requests

Sl	Batch	Course	Students
1	2021 to 2024	BA English	<div>View</div>

MARK STUDENT ATTENDANCE


CVCT



Sreesan

Hai, Sreesan


Welcome to CVCT





Sreesan




> Dashboard

Home

 Leave Requests

 Batches

 Students Leave Requests

Sl	Name	Photo	Aadhaar	Contact	Address	Attendance
1	Hridya Mohan		321456789054	7510131834, hridya@gmail.com	Kannur, Eruvatty, 670641	<div><div>● Absent</div><div>● Half day</div><div>○ Full day</div></div>
2	Apama		542316789345	7834251678, apama@gmail.com	Kannur, Kuthuparamba, 670642	<div><div>● Absent</div><div>● Half day</div><div>○ Full day</div></div>
3	Aswin Raj		231456321783	9865317843, aswin@gmail.com	Kannur, Sreekandapuram, 670432	<div><div>● Absent</div><div>● Half day</div><div>○ Full day</div></div>

Already Marked for Today