

# College Management

## Project Members

Athul Krishna:	<b>B170158CS</b>
Roshan R:	<b>B170237CS</b>
Midhun Martin:	<b>B170149CS</b>
Tarun Varma:	<b>B170388CS</b>

## Usage Documentation

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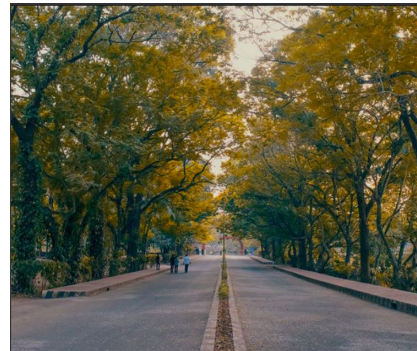
## Installation and setup

1. Set up your virtual environment
2. Run `pip install -r requirements.txt`
3. Connect to MySQL Database
4. Run `python manage.py runserver`

## Student Manual

### Logging in

Each student in the college is assigned a unique username and password by the administrator. Students can login using this id and password.



College Management

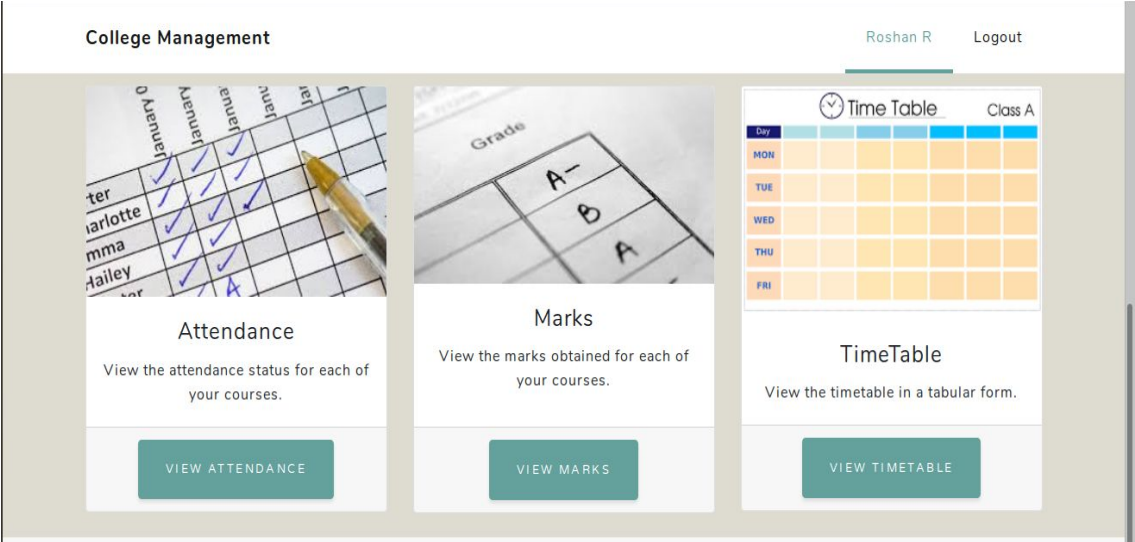
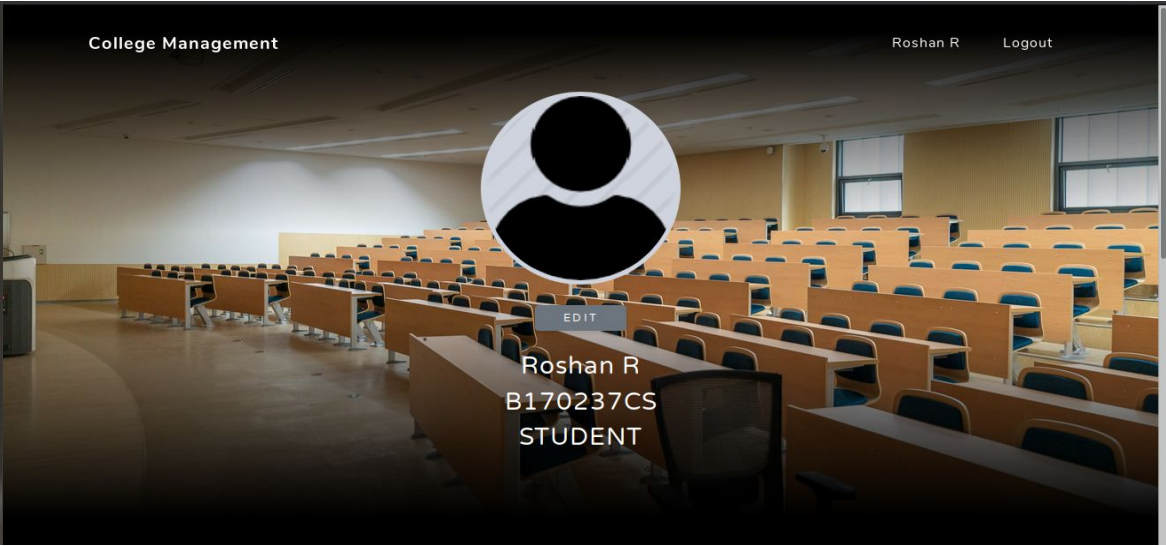
Username  
rosh

Password  
\*\*\*\*\*

LOGIN

### Homepage

After successful login, the student is presented a homepage with their main sections, attendance, marks and timetable. In the attendance section the student can view their attendance status which includes the total classes, attended classes and the attendance percentage for each of their courses. The timetable provides the classes assigned to that student and day and time of each in a tabular form.



## Attendance

On the attendance page, there is a list of courses that is dependent on each student. For each course, the course id and name are displayed along with the attended classes, total classes and the attendance percentage for that particular course.

Attendance					
Course ID	Course name	Attended classes	Total classes	Attendance %	Classes to attend
CS3003D	Operating System	0	0	0	0
CS3001D	Theory of Computation	0	0	0	0
CS3002D	Database Management System	10	11	90.91	0

## Marks

The Marks page is a table with an entry for each of their courses.. The marks obtained by a student for Mid-Term , Internals , Projects and End Semester Examination are tabulated.

College Management

Roshan R Logout

Home

Attendance

Marks

Time Table

Marks

Course ID	Course name	End Sem	Internals	Mid Term	Project
CS3003D	Operating System	0	0	0	0
CS3001D	Theory of Computation	0	0	0	0
CS3002D	Database Management System	32	6	20	7

## Timetable

The row headers are the days of the week and the column headers are the time slots. So, for each day, it specifies the classes in the time slots.

College Management

Roshan R Logout

Home

Attendance

Marks


Time Table

Timetable

	08:00 - 09:00	09:00 - 10:00	Break	10:15 - 11:15	11:15 - 12:15	Lunch	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
Monday	OS			TOC	DBMS						
Tuesday	DBMS										
Wednesday		OS			TOC						
Thursday	TOC	DBMS						OS			
Friday				OS							

## Teacher Manual


### Homepage



**Attendance**

Enter the attendance of the students based on the class they are in. .

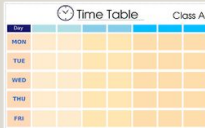
ENTER ATTENDANCE



**Marks**

Enter the marks of the students based on the class they are in.


ENTER MARKS



**TimeTable**

View the timetable in a tabular form.

VIEW TIMETABLE



**Reports**

Generate reports for each class.

GENERATE REPORTS

After successful login, teacher is presented a homepage with main sections - attendance, marks, Timetable and reports. In the attendance section, the teacher can enter the attendance of their respective students for the days on which classes were conducted. There is a provision to enter extra classes and view/edit the attendance of each individual student. Teacher can generate reports for each of their assigned class.

## Enter and edit Attendance , Cancel Class

The classes scheduled or conducted is listed in the form of a list. Initially, all the scheduled classes will be listed from the start of the semester to the current date. If the attendance of any day is not marked it will be red, otherwise green if marked. Classes can also be cancelled which will make that date as yellow. After entering attendance, the teacher can also edit it. If a teacher has taken a class other than at the scheduled timings, they may enter the attendance for that as well. While entering the extra class, the teacher just needs to specify the date it was conducted and enter the attendance of each of the students.

[Home](#)  
[Attendance](#)  
[Marks](#)  
[Time Table](#)  
[Reports](#)

Attendance

Date	Status	
Nov. 13, 2019	Cancelled	<a href="#">Undo Cancel</a>
Nov. 12, 2019	Marked	<a href="#">Edit Attendance</a> <a href="#">Cancel Class</a>
Nov. 11, 2019	Marked	<a href="#">Edit Attendance</a> <a href="#">Cancel Class</a>
Nov. 6, 2019	Marked	<a href="#">Edit Attendance</a> <a href="#">Cancel Class</a>
Nov. 5, 2019	Marked	<a href="#">Edit Attendance</a> <a href="#">Cancel Class</a>
Nov. 4, 2019	Cancelled	<a href="#">Undo Cancel</a>
Oct. 30, 2019	Marked	<a href="#">Edit Attendance</a> <a href="#">Cancel Class</a>

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Student name	
Midhun Martin	<a href="#">Present</a> <a href="#">Absent</a>
Athul Krishna K P	<a href="#">Present</a> <a href="#">Absent</a>
Roshan R	<a href="#">Present</a> <a href="#">Absent</a>

[Submit](#)

## Enter Marks

Teacher can enter the marks for the tests conducted and can also record project evaluation marks.

The screenshot shows a web application with a dark sidebar on the left containing navigation links: Home, Attendance, Marks, Time Table, and Reports. The main content area displays a table for entering marks. The table has three columns: Student Name, Total Marks, and Enter Marks. There are three rows of data. Below the table is a green 'Submit' button.

Student Name	Total Marks	Enter Marks
Midhun Martin	30	27
Athul Krishna K P	30	25
Roshan R	30	28

Submit

## TimeTable

For each entry in the Timetable, the list of free teachers can be generated. Free teachers are the teachers who are assigned to the class and are free during that time slot on the same day. This is very useful for the teachers particularly when they are on leave as it helps them find a suitable replacement for that class.

The screenshot shows a web application with a dark sidebar on the left containing navigation links: Home, Attendance, Marks, Time Table, and Reports. The main content area displays a timetable. A modal window titled 'List Of Free Teachers' is open, showing a list of teachers: Sudeep K S and Saidalavi Kalady. The modal is overlaid on the timetable, which shows days of the week and time slots.

	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
Monday	CS2A BIO									
Tuesday	CS3A DBMS									
Wednesday		CS2A BIO								
Thursday		CS3A DBMS								
Friday										

**List Of Free Teachers**

- Sudeep K S
- Saidalavi Kalady

## Generate Reports

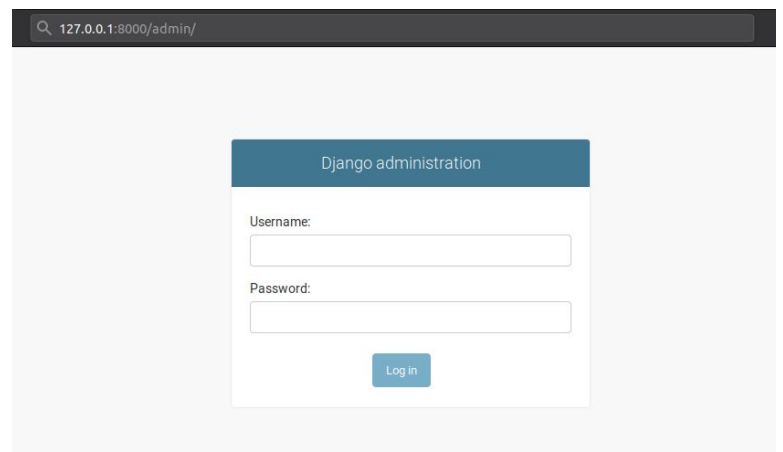
The last page for the teachers is used to generate reports for each class. The report specifies the list of students in that class and attendance percentage along with their marks.

Home	Marks				
Attendance	Roll No	Student Name	Attendance	Total Marks	Grade
Marks	B170149CS	Midhun Martin	81.82	87	A
Time Table	B170158CS	Athul Krishna K P	81.82	83	B
Reports	B170237CS	Roshan R	90.91	65	C

## Admin Manual

Log onto 127.0.0.1:8000/admin/ to access the admin panel.

Admin adds users who can access the application(students and teachers).



127.0.0.1:8000/admin/

Django administration

Username:

Password:

Log in



## Department Creation , Adding Student Details , Adding Teacher Details

The basic data entry tasks like Student registration , Department registration , Teacher registration and sensitive details can be entered with admin authentication

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Change

INFO

Assigns

+ Add

Change

Classes

+ Add

Change

Courses

+ Add

Change

Depts

+ Add

Change

Marks

+ Add

Change

Students

+ Add

Change

Teachers

+ Add

Change

Users

+ Add

Change

Recent actions

My actions

Bioinformatics

Course

Gopakumar G : DBMS : Computer Science and Engineering : 5 B

Assign

K Abdul Nazeer : DBMS : Computer Science and Engineering : 5 A

Assign

+ Gopakumar G : DBMS : Computer Science and Engineering : 5 B

Assign

+ K Abdul Nazeer : DBMS : Computer Science and Engineering : 5 A

Assign

✖ K Abdul Nazeer : DBMS : Computer Science and Engineering : 5 A

Assign

+ K Abdul Nazeer : DBMS : Computer Science and Engineering : 5 A

Assign

✖ Gopakumar G : DBMS : Computer Science and Engineering : 5 B

Assign

✖ K Abdul Nazeer : DBMS : Computer

