

# **College Management System**

## **Abstract**

College Management System Project in Django project that keeps and maintains all of a student's records. You may examine information on all students, fees, courses, and attendance, as well as a list of students, student courses, student fees, and student attendance. The Python Django Framework was used to construct the College Management System Project in Django. The system is created entirely in the Django Framework on the back end, with HTML, CSS.

## **Admin Users Can**

1. See Overall Summary Charts of Students Performances, Staff Performances, Courses, Subjects, Leave, etc.
2. Manage Staff (Add, Update and Delete)
3. Manage Students (Add, Update and Delete)
4. Manage Course (Add, Update and Delete)
5. Manage Subjects (Add, Update and Delete)
6. Manage Sessions (Add, Update and Delete)
7. View Student Attendance
8. Review and Reply Student/Staff Feedback
9. Review (Approve/Reject) Student/Staff Leave

## **Staff/Teachers Can**

1. See the Overall Summary Charts related to their students, their subjects, leave status, etc.
2. Take/Update Students Attendance
3. Add/Update Result
4. Apply for Leave

## Students Can

1. See the Overall Summary Charts related to their attendance, their subjects, leave status, etc.
2. View Attendance
3. View Result
4. Apply for Leave
5. Send Feedback to HOD

## Project's Journey

Admin/Staff/Student Login

Add and Edit Course

Add and Edit Staff

Add and Edit Student

Add and Edit Subject

Upload Staff's Picture

Upload Student's Picture

Sidebar Active Status

Named URLs

Model Forms for adding student

Model Forms for all

Views Permission (MiddleWareMixin)

Attendance and Update Attendance

Password Reset Via Email

Apply For Leave

Students Can Check Attendance

Check Email Availability

Reply to Leave Applications

Reply to Feedback

Admin View Attendance

Password Change for Admin, Staff and Students using *set\_password()*

Admin Profile Edit

Staff Profile Edit

Student Profile Edit

Student Dashboard Fixed

Passing Page Title From View - Improved

Staff Dashboard Fixed  
Admin Dashboard Fixed  
Firebase Web Push Notifications  
Staff Add Student's Result  
Staff Edit Result Using CBVs (Class Based Views)  
Google CAPTCHA  
Student View Result