

Python Automation for Student Administration

ABSTRACT :

The student administration system is the most integral and essential module of College. It provides a highly effective platform for automating & handling complete student information & administrative data and enhances institutional effectiveness. Details of students, staff, courses , subjects and marks with other details of sections, sessions and enrolment numbers are maintained at a centralized location of the College Admin software. To ease the administrative work hassles further, it allows the users to view and manage the data into Summary Charts.

Modules :

Admin User :

See Overall Summary Charts of Students Performances, Staff Performances, Courses, Subjects, Leave, etc.

Manage Staff (Add, Update and Delete)

Manage Students (Add, Update and Delete)

Manage Course (Add, Update and Delete)

Manage Subjects (Add, Update and Delete)

Manage Sessions (Add, Update and Delete)

View Student Attendance

Review and Reply Student/Staff Feedback

Review (Approve/Reject) Student/Staff Leave

Staff/Teachers :

See the Overall Summary Charts related to their students, their subjects, leave status, etc.

Take/Update Students Attendance

Add/Update Result

Apply for Leave

Send Feedback to HOD

Students User :

See the Overall Summary Charts related to their attendance, their subjects, leave status, etc.

View Attendance

View Result

Apply for Leave

Send Feedback to HOD

Software Requirements:

Front-end : UI Technologies (HTML, CSS, JS)

Back-end : Python

Frameworks : Django

Database : MySQL,Sqlite3

Hardware Requirements:

- Intel i3 (Processor)
- 2GB Ram
- 4 MB Cache Memory
- Hard disk 500 GB