



Meerut Institute of Technology
Professional Courses, Meerut (1110)
Department of Computer Application (BCA)

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SCHOOL INFORMATION SYSTEM

MAJOR PROJECT
REPORT

INTRODUCTION

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- SCHOOL INFORMATION SYSTEM, can lead to error free, secure, reliable and fast information systems. It can assist the school administration to concentrate on their other activities rather than concentrating on the record keeping. Thus, it will help organization in better utilization of resources.

Statistical Insights on School Information Systems

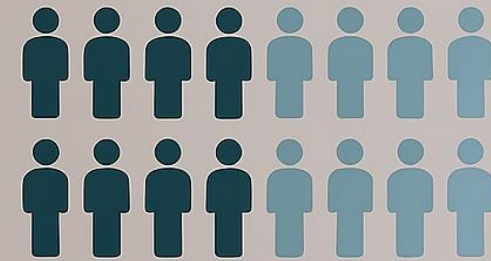
Transforming Education through Technology

Active Users in School Information Systems

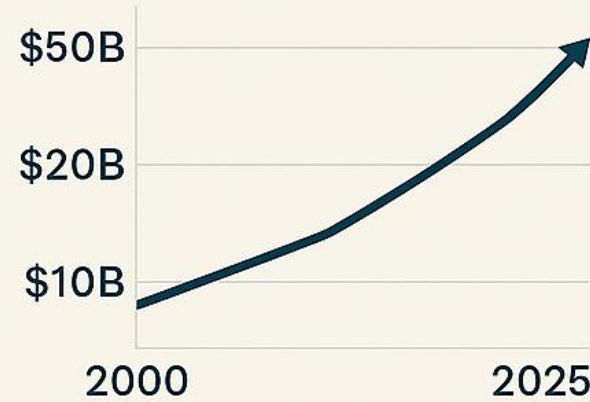
10M+

Active Users

- Includes students and educators globally

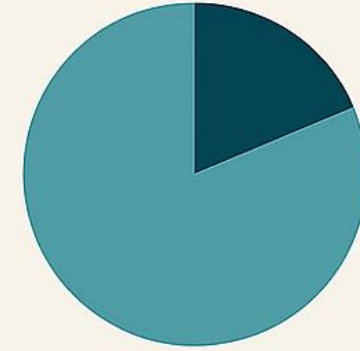


Explosive Growth in the EdTech Market



CAGR of 16%+

Efficiency Gains



30+%

Reduction in
Administrative
Time



\$100K
Annually

Boosting Student Engagement



20%

Increase in
Engagement

Adoption Rates



75% of K-12 Institutes

HARDWARE REQUIRMENTS

RAM	1GB
HARD DISK	10 GB
MONITOR	15 TH Colour Monitor
KEYBOARD	Standard 104 keys(QWERTY)
PROCESSOR	Pentium III 630 MHz
NETWORK	Stable

SOFTWARE REQUIRED

- OPERATING SYSTEM Any system
- DATABASE Sqlite -3
- WEB SERVER ANY BROWSER
- FRONTEND HTML , CSS
- BACKEND PYTHON
- IDE & TOOLS VS Code & Git

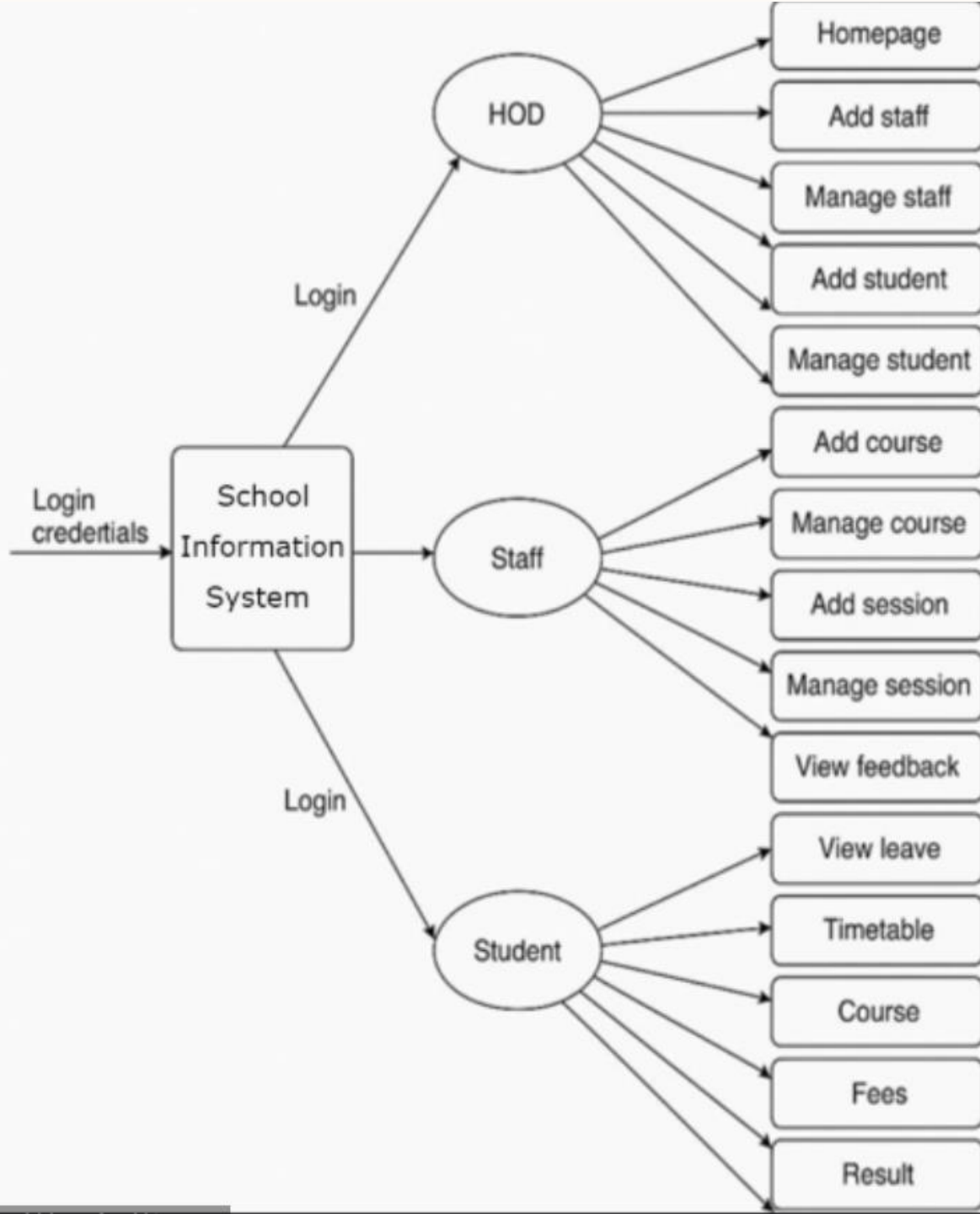
EXISTING SYSTEM

- Lack of security of data
- More manpower
- Time-consuming
- Needs manual calculations
- No direct role for higher officials
- Consumes large volume of paring work

PROPOSED SYSTEM

- Ensure Data Accuracy & Security
- Enable Real-Time update
- Monitor Academic Progress
- Support Growth
- Simplify Administration
- Improve Communication
- User Friendly Interface

DFD



A School Information System DFD:

- **HOD:** Manages staff, students, courses.
- **Staff:** Handles sessions, feedback, leave.
- **Student:** Views timetable, courses, fees, results.
- **Login:** Provides access.

MODULES IN SYSTEM

MODULE :- 1 “ADMIN”

- ❖ Admin module is the main module of our project
- ❖ Admin has the all the access of project
- ❖ Admin can easily maintain the data and easily can change the data
- ❖ Admin can be principle and director of any school

MODULES IN SYSTEM

MODULE :- 2 “HOD”

- ❖ HOD is second main module of our project
- ❖ HOD has the all the access of STAFF and STUDENT
- ❖ HOD can easily maintain the data and easily can change the data
- ❖ HOD can be different according to departments

MODULES IN SYSTEM

MODULE :- 3 “Staff”

- ❖ Staff is third module of our project
- ❖ Staff has the all the access of STUDENT .
- ❖ Staff can easily maintain the data and easily can change it
- ❖ Staff can be different according to subject
- ❖ Their accounts are managed by hod

MODULES IN SYSTEM

MODULE :- 4 “Student”

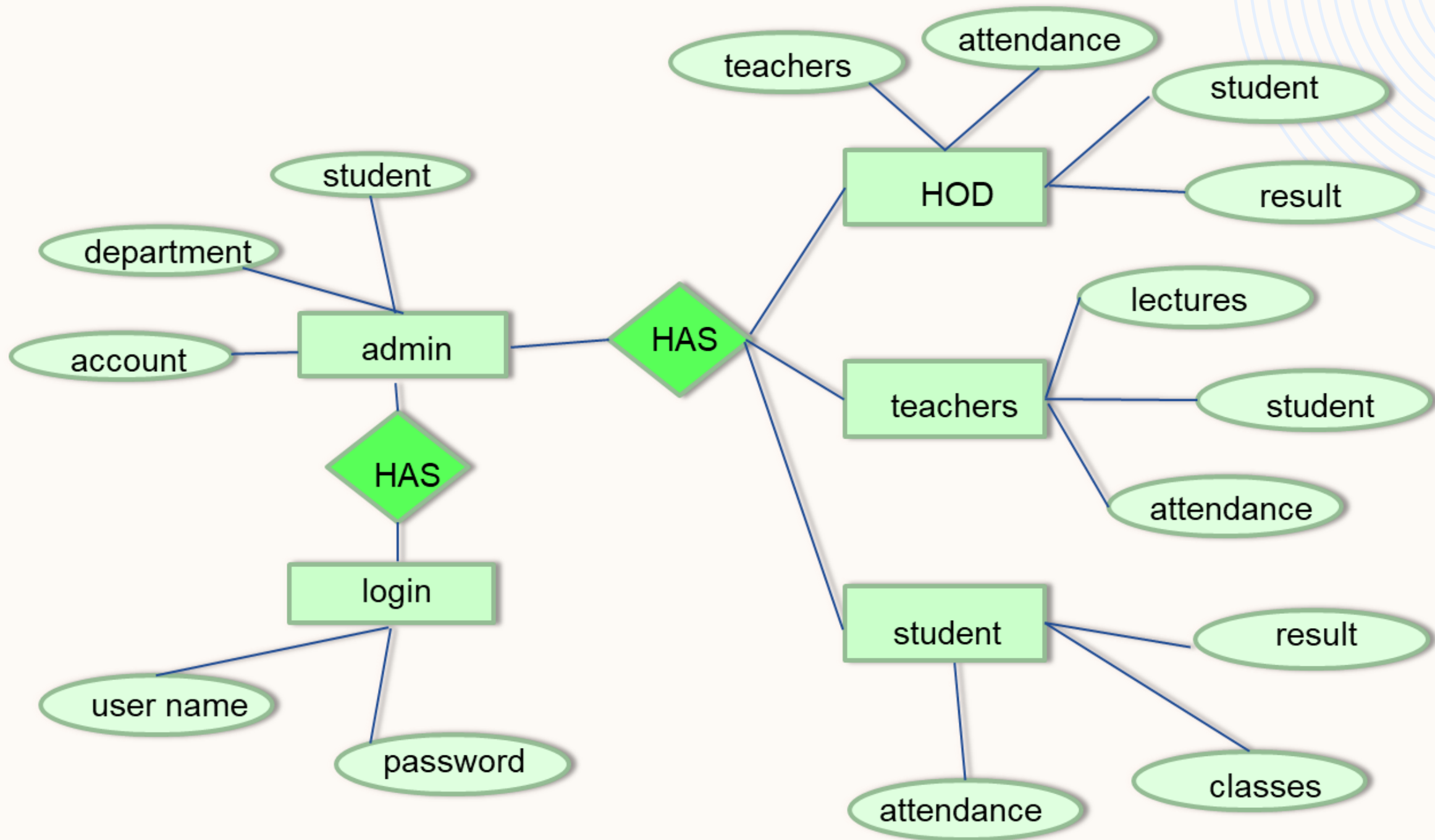
- ❖ Student is fourth module of our project
- ❖ Student has the access of their attendance , results
- ❖ Student can easily maintain their fees in just one click
- ❖ They can pay only one time , there is no chance of re submitting
- ❖ Their accounts are also managed by hod

MODULES IN SYSTEM

MODULE :- 5 “Fees”

- ❖ Student is fifth module of our project
- ❖ Track paid or pending fees of each student
- ❖ Reduce manual work and saves time
- ❖ Generate instant fee receipts
- ❖ Allows easy online and offline payment
- ❖ Send fee reminders to students/parents

E-R DIAGRAM






INPUT / OUTPUT SCREENSHOTS


LOGIN PAGE

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Login

User Name *



admin

Password *



Login

[Lost your password?](#)

School Information System

Sign in to School Information System

Email



Password



Sign In

HOD DASHBOARD

Open University

Aditya Mishra

Home

Manage Staff

Add Staff

Manage Student

Add Student

Manage Course

Add Course

Manage Subject

Add Subject

Manage Session

Add Session

View Attendance

Student Feedback

Staff Feedback

School Information System HOD Login

10
Total Students
More info

5
Total Staffs
More info

5
Total Courses
More info

5
Total Subjects
More info

Student and Staff Chart

Students Staffs

Total Subjects in Each Course

BCA BBA Bsc. IT B.COM AI Diploma

Total Student in Each Course


BCA BBA Bsc. IT B.COM AI Diploma


Total Students in Each Subject

JAVA Python Finance Micro Finance Entrepreneurship

HOD DASHBOARD

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 Open University

 Aditya Mishra

Home

Manage Staff

Add Staff

Manage Student

Add Student

Manage Course

Add Course

Manage Subject

Add Subject

Manage Session

Add Session

View Attendance





Student Feedback

Staff Feedback

School Information System HOD Login


Manage Student


+ Add Student

Student Details							
<div>Search</div>							
ID	First Name	Last Name	Username	Email	Address	Gender	Profile Pic
5	Rajesh	Kumar	rajesh_kumar	rajeshkumar.school@example.com	Nehru Colony	Male	
6	Priya	Nair	priya_nair	priyanair.school@example.com	Shanti Nagar	Female	
7	Seema	Menon	seema_menon	seemamenon.school@example.com	Green Park	Female	
9	Ryan	William	nybovani	vubagocady@mailinator.com	Rota Bypass	Female	

HOD DASHBOARD

24

 Open University

 Aditya Mishra

Home

Manage Staff

Add Staff

Manage Student

Add Student

Manage Course

Add Course

Manage Subject

Add Subject

Manage Session

Add Session

View Attendance

Student Feedback

≡ School Information System HOD Login

Manage Course

+ Add Course

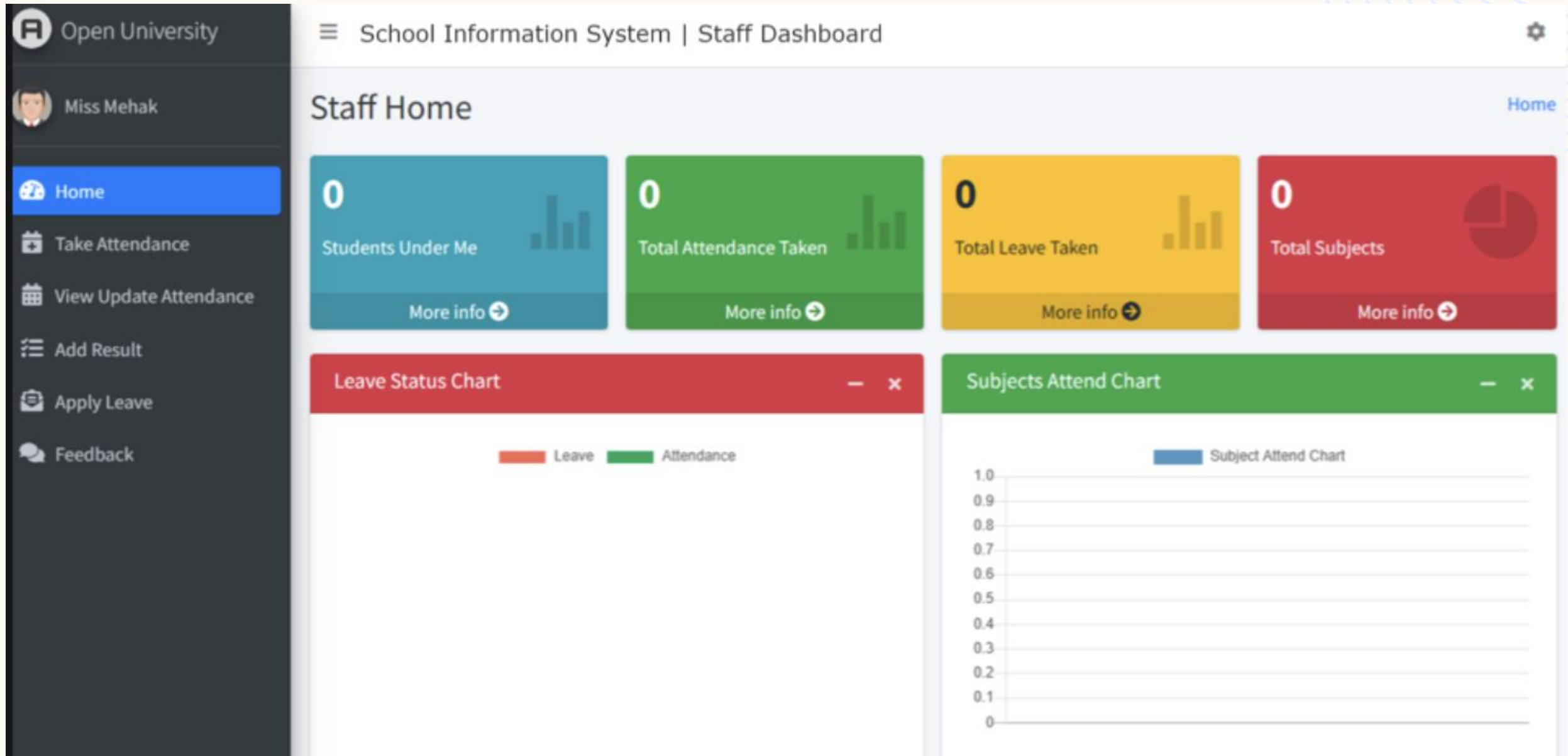
Course Details

Search

ID	Course Name	Created At	Updated At	Action
1	B.C.A	June 26, 2020, 4:02 p.m.	Nov. 2, 2024, 7:30 a.m.	<div>Edit</div> <div>Delete</div>
2	B.B.A	June 26, 2020, 4:02 p.m.	Nov. 2, 2024, 7:29 a.m.	<div>Edit</div> <div>Delete</div>
3	Bsc. IT	June 26, 2020, 4:02 p.m.	Nov. 2, 2024, 7:29 a.m.	<div>Edit</div> <div>Delete</div>
4	B.COM	June 26, 2020, 4:02 p.m.	Nov. 2, 2024, 7:30 a.m.	<div>Edit</div> <div>Delete</div>
7	AI Diploma	Oct. 25, 2024, 11:42 a.m.	Nov. 2, 2024, 7:30 a.m.	<div>Edit</div> <div>Delete</div>


STAFF DASHBOARD

25




STAFF DASHBOARD


26


 Open University


 Miss Mehak


 Home

 Take Attendance

 View Update Attendance

 Add Result

 Apply Leave

 Feedback

≡ School Information System | Staff Dashboard



Take Attendance

[Home](#)

Take Attendance


Subject


Session Year


Fetch Student


STAFF DASHBOARD


27


 Open University


 Miss Mehak

 Home

 Take Attendance

 View Update Attendance

 Add Result

 Apply Leave

 Feedback

≡ School Information System | Staff Dashboard



Leave Report and Apply for Leave

[Home](#)

Apply For Leave

Leave Date

12-11-2023




Leave Reason


I have to go to another city for an urgent work.


Apply for Leave


STAFF DASHBOARD


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
 Open University


 Miss Mehak


 Home

 Take Attendance


 View Update Attendance

 Add Result

 Apply Leave

 Feedback

School Information System | Staff Dashboard



View Update Attendance

Home

View Update Attendance

Subject

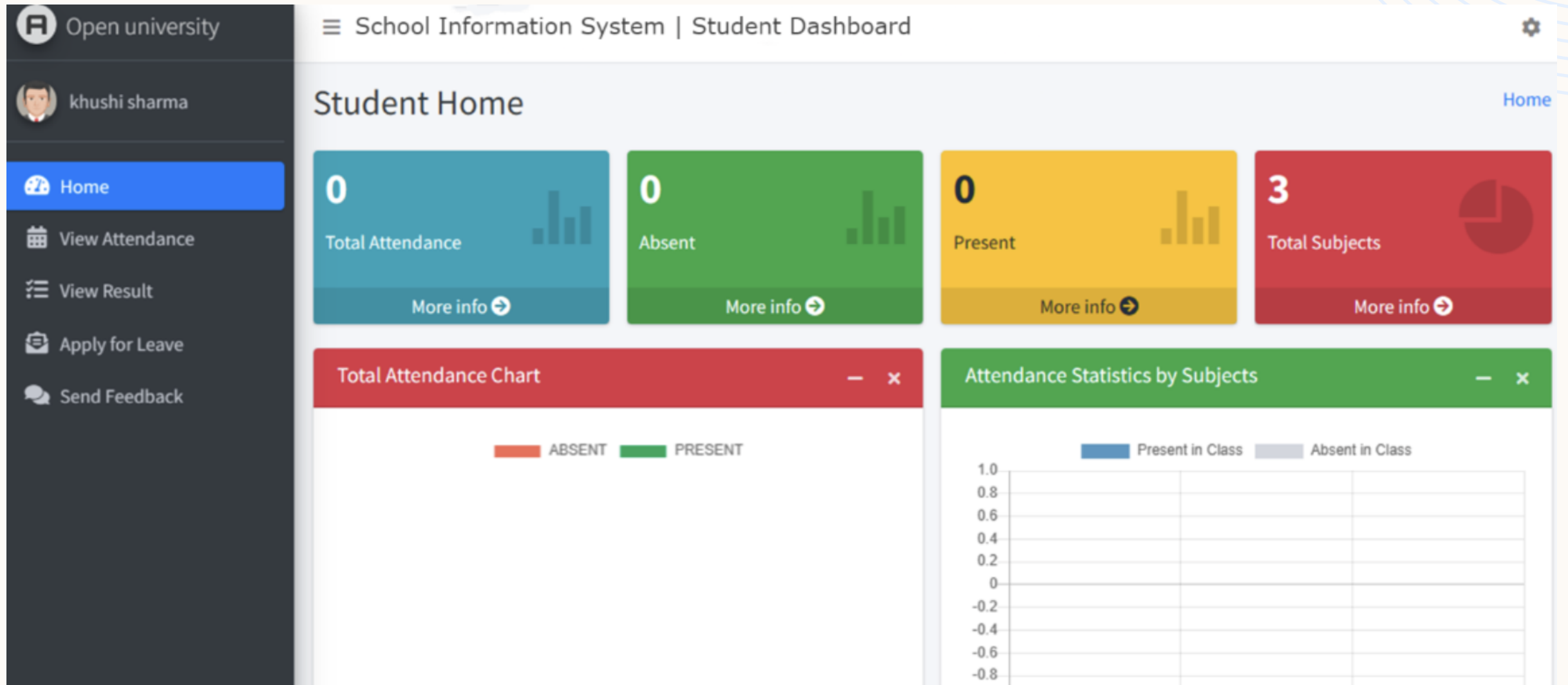
Session Year

Jan. 1, 2024 to Dec. 31, 2024

Fetch Attendance Date


STUDENT DASHBOARD


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STUDENT DASHBOARD


30


 Open university


 khushi sharma


 Home


 View Attendance

 View Result

 Apply for Leave

 Send Feedback

 School Information System | Student Dashboard



Result


Result


#ID	Subject	Assignments Marks	Exam Marks	status
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Home


STUDENT DASHBOARD


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 Open university


 khushi sharma


 Home


 View Attendance

 View Result

 Apply for Leave

 Send Feedback

 School Information System | Student Dashboard




Leave Report and Apply for Leave

Home

Apply For Leave

Leave Date

dd-mm-yyyy



Leave Reason

Leave Messge

Apply for Leave

FEASIBILITY STUDY

Assesses whether the system can be successfully developed and implemented.

- **Technical: Compatible, scalable, and adaptable.**
- **Economic: Cost-effective with no extra investment.**
- **Operational: User-friendly and improves efficiency.**
- **Schedule: Completed on time without delays.**
- **Legal: No legal issues, open-source for academics.**

FEATURES OF PROJECT ³³

- All the organizations and school can use it in a very easy form
- The information of students and staff can be easily available
- It provide security to data
- Less time taking
- Save materials like notebook , registers and else..
- Work on real time

FUTURE SCOPE

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- In recent years, school information software has revolutionized the operations of schools and educational institutions worldwide. Beyond facilitating smart learning, these systems also enhance various aspects of education, including admission management, attendance tracking, timetable organization, teacher scheduling, and results management.

Conclusion

The School Information System enhances administrative efficiency by simplifying tasks for students, parents, and staff.

It offers real-time updates and secure transactions, significantly reducing errors. Key features include easy fee payment, attendance tracking, and parental access to information, which improve communication and engagement among stakeholders.

This streamlined approach ensures a smooth and effective administrative process, contributing to the overall success of the school.

BIBLIOGRAPHY

- For Java installation
<https://www.python.org/downloads/>
- For SQLite Database installation
<https://www.sqlite.org/download.html>
- Reference websites
www.w3schools.com
<https://www.learnpython.org/>
<http://www.tutorialspoint.com/java/index.htm>
- Reference Books
Ultimate python programming
Core python
Python: The Complete reference Python

THANK YOU

BCA VIth Sem

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