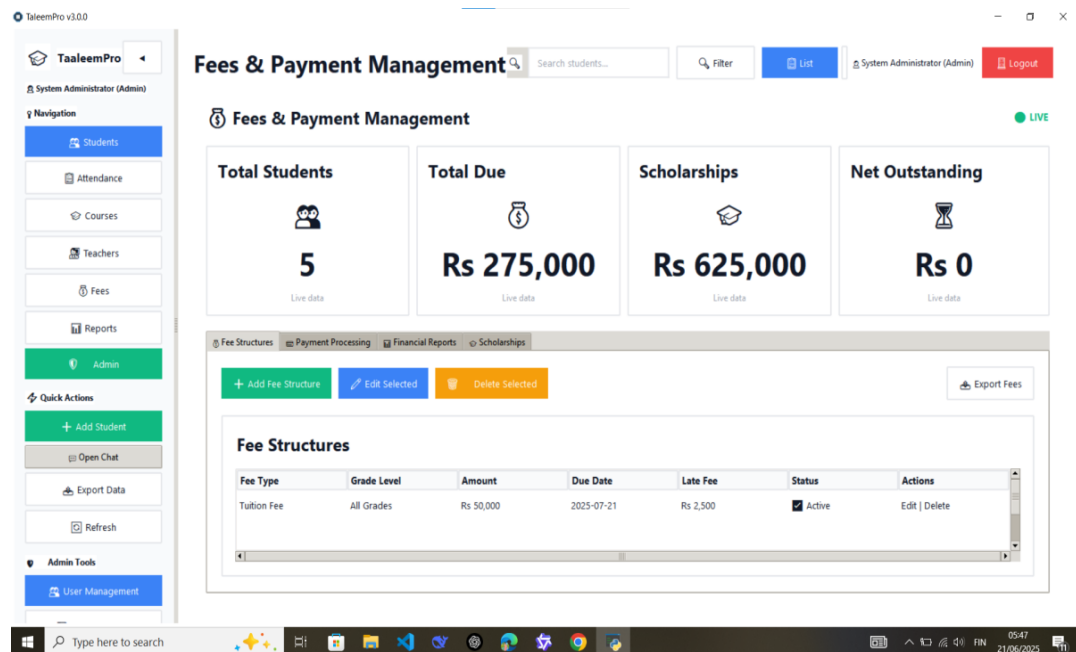


TaaleemPro - Professional User Manual

Introduction

TaaleemPro is a modern, offline-first School Management System designed for schools in Pakistan. Built using Python and Tkinter, it empowers educational institutions with powerful tools for managing students, staff, fees, and performance, all in a sleek and secure interface.



System Requirements

- OS: Windows 10 or higher
- Python 3.8+
- Libraries: Tkinter, SQLite3, Matplotlib

Installation Guide

1. Clone the repository:
git clone <https://github.com/yourusername/TaaleemPro.git>
2. Navigate into the folder:
cd TaaleemPro

3. Install dependencies:

```
pip install -r requirements.txt
```

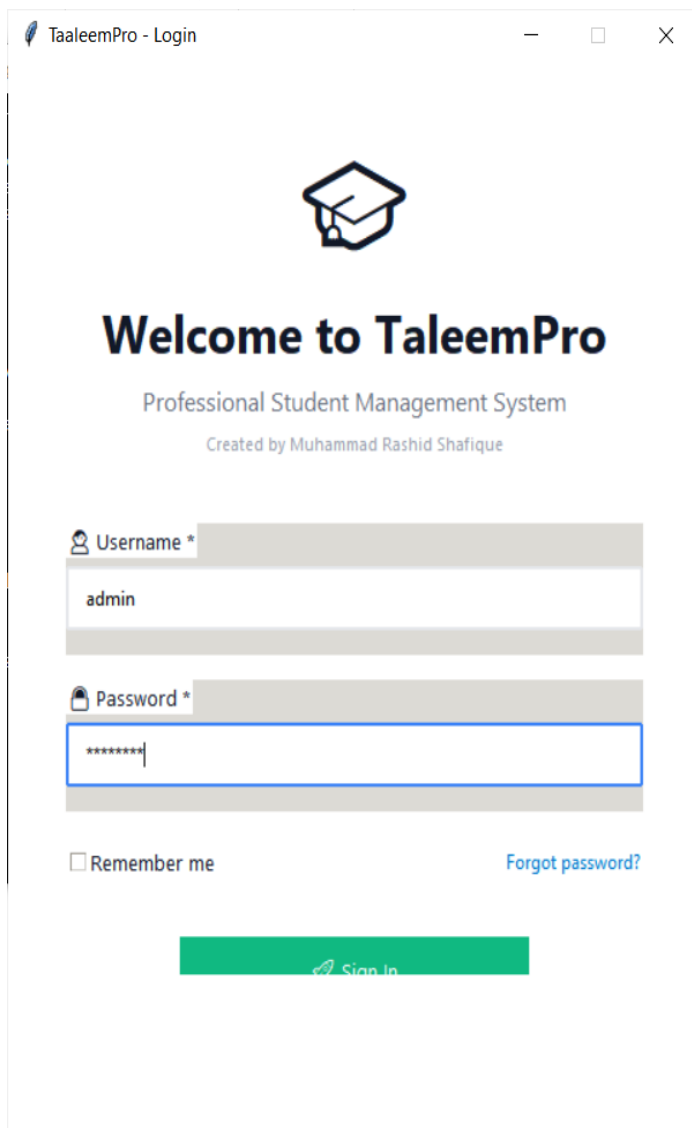
4. Run the app:

```
python main.py
```

To generate an EXE:


```
pyinstaller --noconfirm --onefile --windowed --add-data "data;data" main.py
```

Default Login Credentials




The screenshot shows a web application window titled "TaleemPro - Login". The window has a white background and a light gray border. At the top center is a black icon of a graduation cap. Below the icon, the text "Welcome to TaleemPro" is displayed in a large, bold, black font. Underneath, "Professional Student Management System" is written in a smaller, gray font, followed by "Created by Muhammad Rashid Shafique" in an even smaller, gray font. The login form consists of two input fields: "Username *" and "Password *". The "Username *" field contains the text "admin". The "Password *" field contains a series of asterisks "*****". Below the password field, there is a checkbox labeled "Remember me" and a blue link labeled "Forgot password?". At the bottom center, there is a green button with a white arrow icon and the text "Sign In".


TaleemPro - Login




Welcome to TaleemPro

Professional Student Management System
Created by Muhammad Rashid Shafique

 Username *

 Password *

☐ Remember me [Forgot password?](#)

 Sign In

User Management & Authentication

- Create and manage users by role (Admin, Teacher, Accountant, Staff)
- Each role has permissions for relevant modules
- Profiles include images, contact, and role info
- Secure login with session control and hashed passwords

Admin Dashboard

The screenshot displays the Admin Dashboard of TaaleemPro v3.0.0. The interface is divided into a left sidebar, a top header, and a main content area.

Left Sidebar:

- TaaleemPro v3.0.0**
- System Administrator (Admin)**
- Navigation:**
 - Students
 - Attendance
 - Courses
 - Teachers
 - Fees
 - Reports
- Admin**
- Quick Actions:**
 - Add Student
 - Open Chat
 - Export Data
 - Refresh
- Admin Tools:**
 - User Management

Top Header:

- Fees & Payment Management**
- Search students...
- Filter
- List
- System Administrator (Admin)
- Logout

Main Content Area:

Fees & Payment Management LIVE

Total Students
5
Live data

Total Due
Rs 275,000
Live data

Scholarships
Rs 625,000
Live data

Net Outstanding
Rs 0
Live data

Fee Structures Payment Processing Financial Reports Scholarships

[+ Add Fee Structure](#) [Edit Selected](#) [Delete Selected](#) [Export Fees](#)


Fee Type	Grade Level	Amount	Due Date	Late Fee	Status	Actions
Tuition Fee	All Grades	Rs 50,000	2025-07-21	Rs 2,500	Active	Edit Delete

Windows Taskbar:

- Type here to search
- Taskbar icons: File Explorer, Microsoft Edge, Google Chrome, etc.
- System tray: 05:47, 21/06/2025

Teacher Dashboard

TaleemPro v3.0.0



Teacher Portal

Welcome, John Teacher

Role: Teacher

TaleemPro

Created by Muhammad Rashid Shafique

Empowering Education Through Technology

Navigation

Dashboard

Students

Attendance

My Courses

Reports

Assignments

Schedule

Analytics

Gradebook


Messages

Dashboard

Welcome back, John!


Manage your students and track attendance efficiently.

My Students




5

Active Students




0

Today's Attendance



0%

Pending Tasks



0

Quick Attendance

Today: June 21, 2025

☒ Mark All Present

☐ Mark Attendance

Recent Activities

- No recent activities to display.
- Start by marking attendance or adding students.
- Use the navigation menu to access different features.


Type here to search

06:25

21/06/2025

Staff Dashboard

TaleemPro v3.0.0



Staff Portal

Welcome, Jane Staff

Role: Staff

TaleemPro

Created by Muhammad Rashid Shafique

Empowering Education Through Technology

Navigation

Dashboard

Students

Attendance

Fees

Courses

Quick Actions

Edit Student

View Attendance


View Fees

Dashboard

Welcome to the Staff Portal, Jane!


You have limited access to student information and basic operations.

Total Students



5

Active Students



0

Recent Activities

No recent activities to display.

Type here to search

06:30


21/06/2025

Ready

Logged in as: staff1 (Staff) © 2024 Muhammad Rashid Shafique - TaleemPro

Accountant Dashboard

TaleemPro v3.0.0



Accountant Portal

Welcome, Bob Accountant

Role: Accountant

TaleemPro

Created by Muhammad Rashid Shafique

Empowering Education Through Technology

Navigation

[Dashboard](#)

[Fee Management](#)

[Financial Reports](#)

[Payments](#)

[Students](#)

[Attendance](#)

Quick Actions

[Collect Fees](#)

[Fee Reports](#)


[Payment History](#)

Dashboard

Welcome to the Financial Portal, Bob!


Manage student fees, payments, and generate financial reports.

Total Fees Due




Rs 50,000.00

Collected




Rs 35,000.00

Pending



Rs 15,000.00

Overdue



Rs 5,000.00

Quick Fee Collection

Student ID

Amount

Student ID:

Amount:


[Collect Payment](#)

Recent Transactions

Date	Student Id	Student Name	Amount	Type	Status
------	------------	--------------	--------	------	--------

Accountant Dashboard2

TaleemPro v3.0.0



Accountant Portal

Welcome, Bob Accountant

Role: Accountant

TaleemPro

Created by Muhammad Rashid Shafique

Empowering Education Through Technology

Navigation

[Dashboard](#)

[Fee Management](#)

[Financial Reports](#)

[Payments](#)

[Students](#)

[Attendance](#)

Quick Actions

[Collect Fees](#)

[Fee Reports](#)

[Payment History](#)

Payments

Payment Filters

Start Date

End Date

Date Range:

[Filter](#)

Payment History

Date	Receipt No	Student Id	Student Name	Amount	Method	Status	Collected By
2025-06-19	PAY3932	STU002	Emily Johnson	\$200.00	Check	Completed	System
2025-06-18	PAY7741	STU005	David Wilson	\$149.80	Card	Completed	System
2025-05-23	PAY1152	STU001	John Smith	\$550.17	Card	Completed	System
2025-05-22	PAY5449	STU001	John Smith	\$61.00	Check	Completed	System
2025-05-20	PAY9275	STU004	Sarah Davis	\$250.00	Card	Completed	System
2025-05-17	PAY2133	STU002	Emily Johnson	\$782.89	Bank Transfer	Completed	System
2025-05-14	PAY4018	STU004	Sarah Davis	\$1009.12	Cash	Completed	System
2025-04-26	PAY9263	STU005	David Wilson	\$1009.34	Bank Transfer	Completed	System

Student Information System

- Register students with admission form, photo, guardian details
- Track academic history, exams, class promotions
- Search/filter by class, ID, gender
- Bulk import via CSV/Excel
- Academic performance graphs

Fees & Payment

Management

TaaleemPro v3.0.0

System Administrator (Admin) | Logout

Navigation: Students, Attendance, Courses, Teachers, Fees, Reports, Admin

Quick Actions: Add Student, Open Chat, Export Data, Refresh

Admin Tools: User Management

Fees & Payment Management

Search students... | Filter | List | System Administrator (Admin) | Logout

Fees & Payment Management LIVE

Total Students
5
Live data

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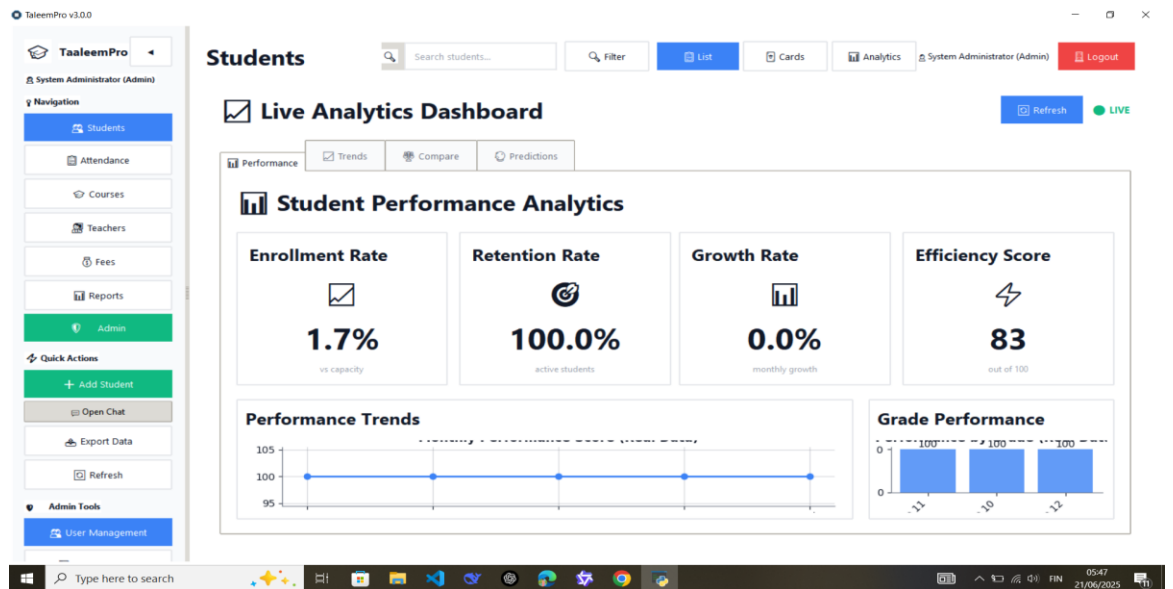
Fee Structures | Payment Processing | Financial Reports | Scholarships

+ Add Fee Structure | Edit Selected | Delete Selected | Export Fees

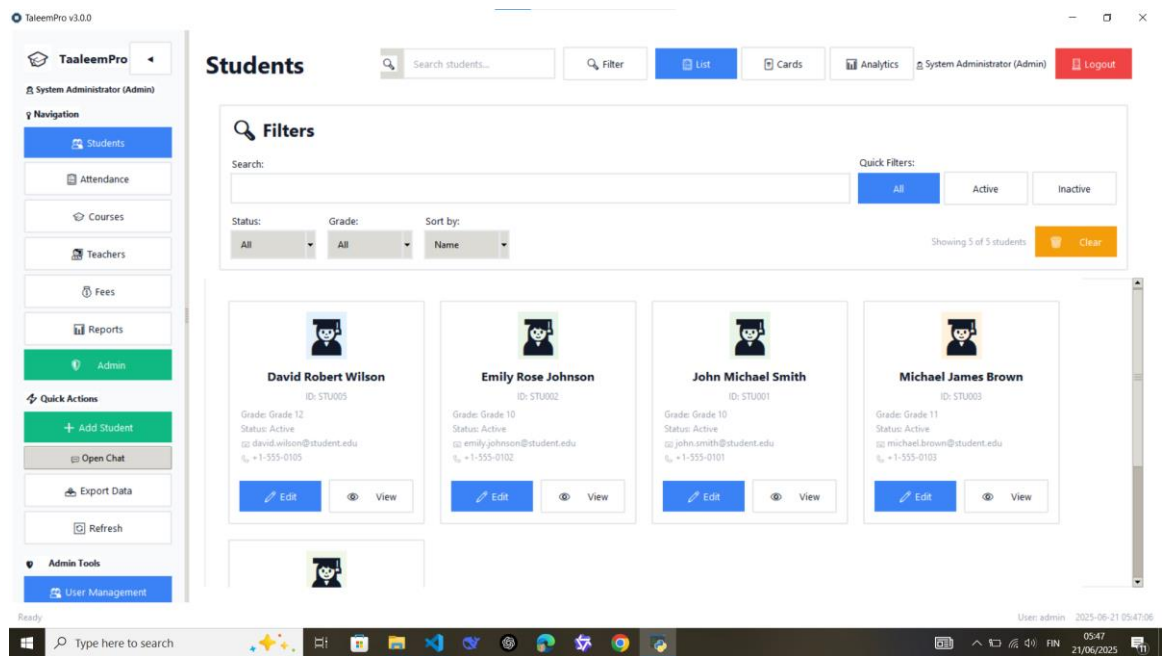
Fee Type	Grade Level	Amount	Due Date	Late Fee	Status	Actions
Tuition Fee	All Grades	Rs 50,000	2025-07-21	Rs 2,500	Active	Edit Delete

Windows Taskbar: 05:47, 21/06/2025

Adminstration (Student)



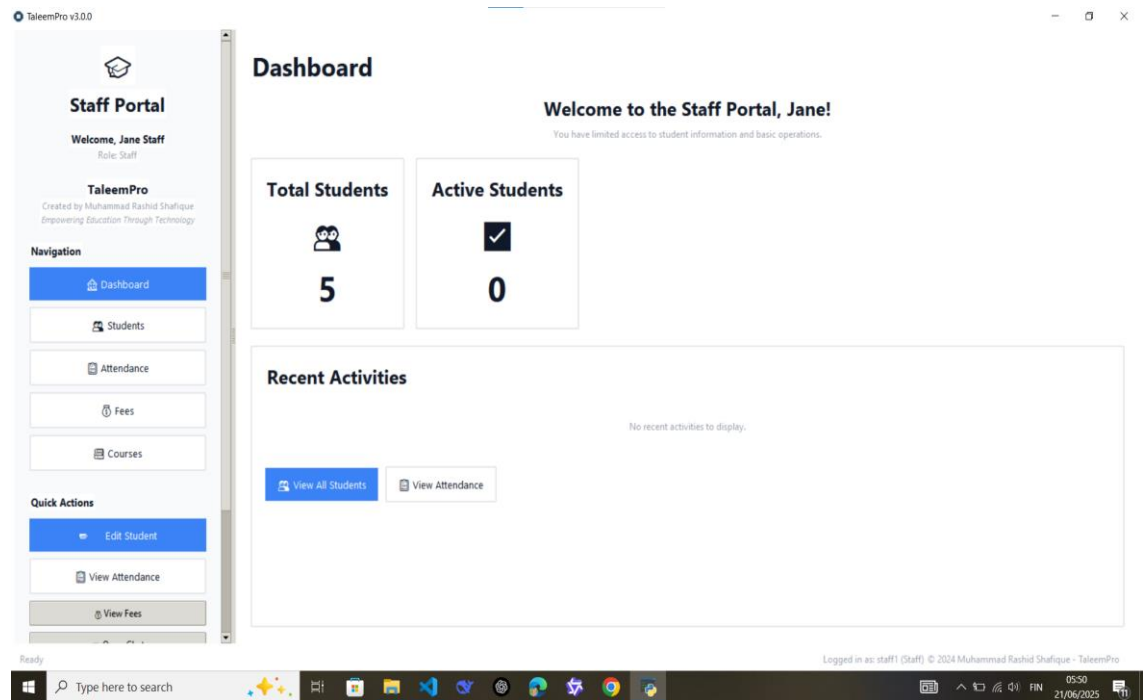
Student Management



Staff & HR Module

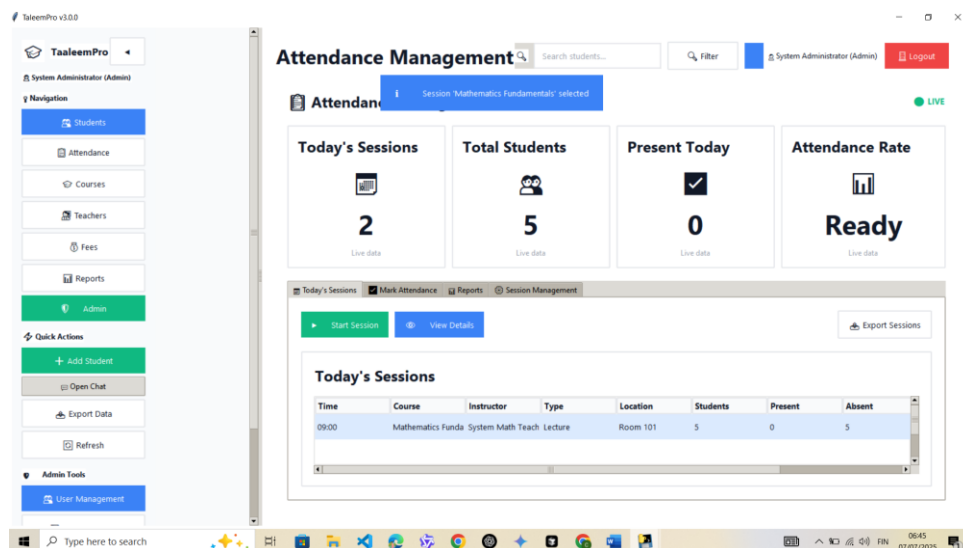
- Record staff profiles, qualifications, departments
- Manage attendance, roles, and shifts

- Future upgrades: performance feedback system



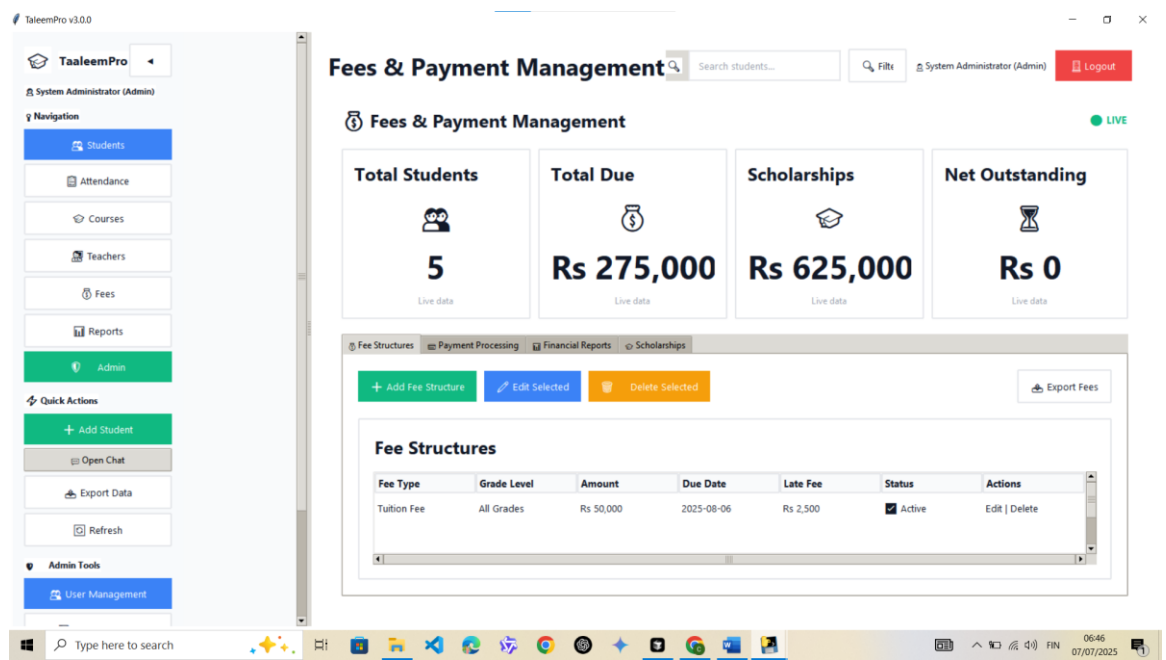
Attendance Tracking

- Mark attendance per student or class
- View attendance calendar and charts
- Planned: automated absentee notifications



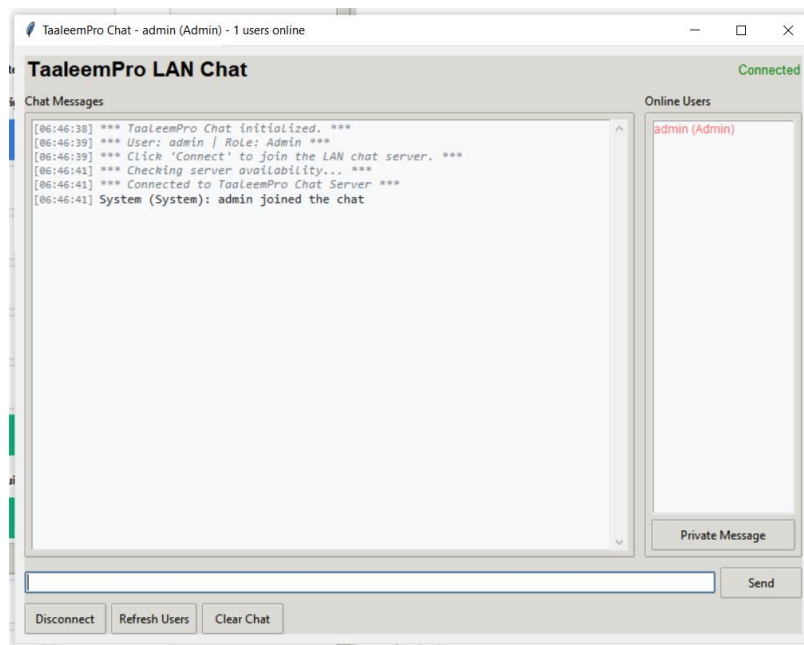
Fee & Finance Management

- Customizable fee types: monthly, quarterly, one-time
- Auto-generate PDF receipts with school logo
- Real-time fee reports (due/paid)
- Optional: system alerts for reminders



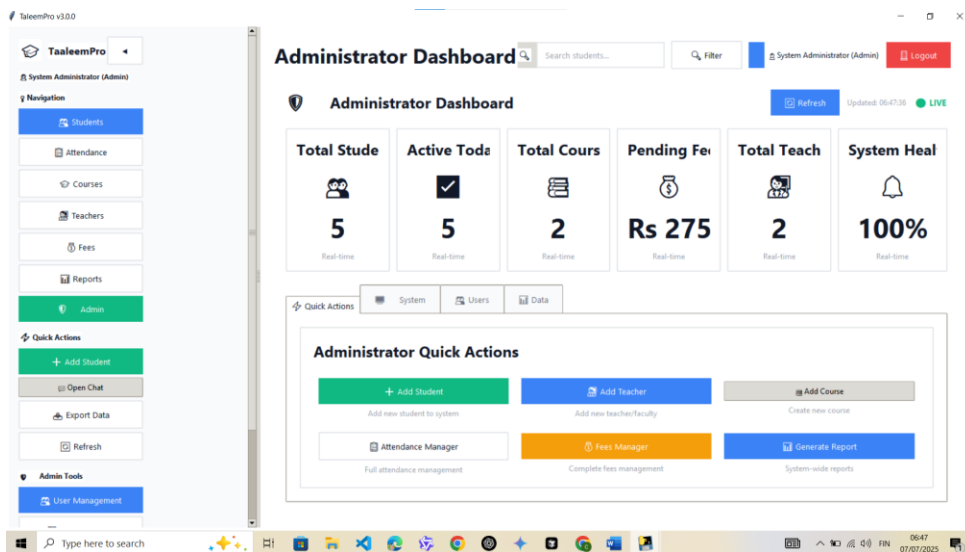
AI Tools & Communication (Optional Modules)

- LAN-based offline staff messaging
- Planned: voice command integration
- Planned: OCR-based student form reading



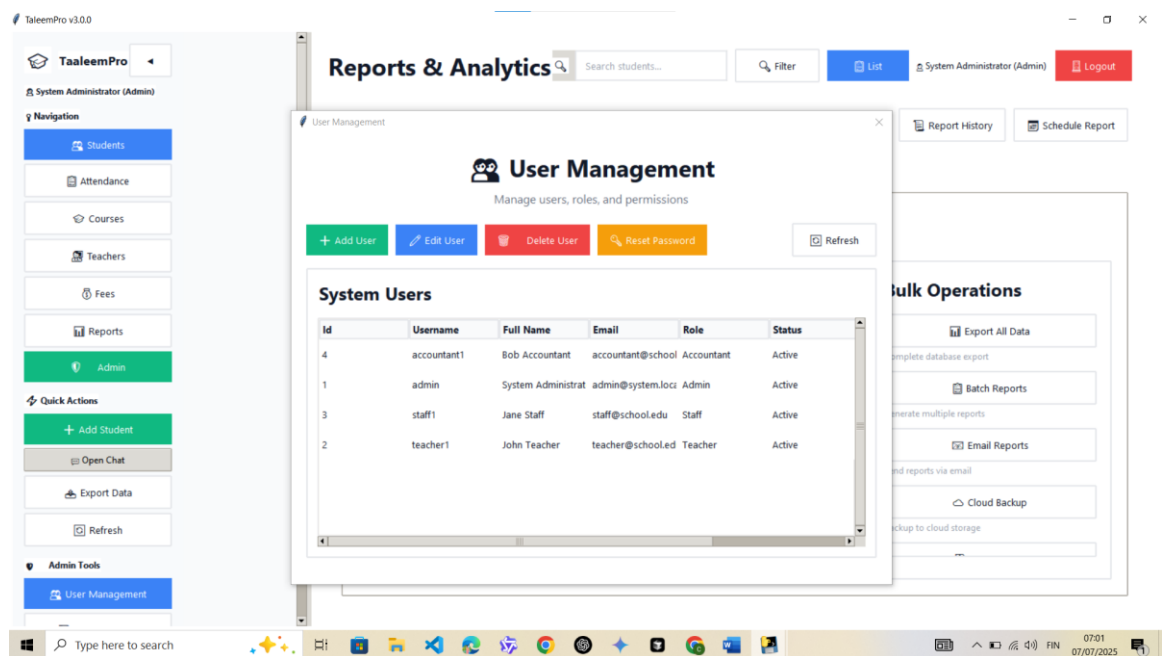
Admin Dashboard

- Real-time analytics with cards and graphs
- Monitor enrollment, logins, and financials
- Backup manager for secure local data says



Modern Interface & Navigation

- Material-style UI with custom widgets
- Light/Dark themes
- Keyboard shortcuts
- Urdu/English switch (beta)



Tech Stack

- Frontend: Python Tkinter
- Backend: Python OOP (MVC)
- Database: SQLite3
- Analytics: Matplotlib
- Packaging: PyInstaller



Directory Structure

TaaleemPro/

main.py

src/

core/

ui/

database/

services/

config/

utils/































data/

assets/

logs/

docs/

tests/

 .vscode	21/06/2025 07:28	File folder	
 assets	21/06/2025 07:19	File folder	
 build	21/06/2025 08:10	File folder	
 config	21/06/2025 07:19	File folder	
 data	21/06/2025 07:47	File folder	
 dist	21/06/2025 08:17	File folder	
 docs	19/06/2025 06:31	File folder	
 logs	21/06/2025 08:21	File folder	
 src	21/06/2025 07:19	File folder	
 tests	19/06/2025 06:31	File folder	
 add_missing_data	20/06/2025 08:24	Python File	6 KB
 build_exe	21/06/2025 07:27	Python File	6 KB
 build_final_exe	21/06/2025 07:38	Python File	6 KB
 build_new_exe	21/06/2025 08:09	Python File	9 KB
 check_database	20/06/2025 08:22	Python File	3 KB
 LICENSE	20/06/2025 07:24	File	2 KB
 main	21/06/2025 07:38	Python File	6 KB
 minimal_chat_test	20/06/2025 12:59	Python File	8 KB
 quick_exe_test	21/06/2025 07:31	Python File	3 KB
 README	20/06/2025 07:31	MD File	12 KB
 regenerate_database	20/06/2025 08:17	Python File	5 KB
 requirements	20/06/2025 08:45	Text Document	5 KB
 run	20/06/2025 08:43	Windows Batch File	3 KB
 run	20/06/2025 08:45	Python File	6 KB
 run	20/06/2025 08:46	SH Source File	4 KB
 TaaleemPro.spec	21/06/2025 07:32	SPEC File	4 KB
 TaaleemPro_Final.spec	21/06/2025 07:39	SPEC File	2 KB
 TaaleemPro_Fixed.spec	21/06/2025 07:58	SPEC File	1 KB
 TaaleemPro_Simple.spec	21/06/2025 07:37	SPEC File	1 KB
 TaaleemPro_v3_20250621_081014.spec	21/06/2025 08:10	SPEC File	3 KB

Troubleshooting

App won't start:

- Ensure Python 3.8+ and dependencies are installed

DB error:

- Check 'data/' for SQLite file

Login issues:

- Use default credentials

Backup fails:

- Run application as administrator

FAQs

Q: Is internet required?

A: No, it runs offline.

Q: Can I bulk import students?

A: Yes, via CSV or Excel.

Q: Can I customize the fee?

A: Yes, with flexible structures.

Contributing

1. Fork the repository
2. Create a feature branch
3. Commit and push
4. Open a pull request

License

This project is licensed under the MIT License.

Author


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Muhammad Rashid Shafique
rashidkhan4067 · he/him

Full stack Web Developer ,Desktop App Developer, Python

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Shaher Sultan
rashidkhang9680@gmail.com

rashidkhan4067 / README.md

Hi 🙋, I'm Muhammad Rashid Shafique


A passionate frontend backend and python developer from Pakistan

Profile views: 0

- 🔧 I'm currently working on Python
- 📖 I'm currently learning React Native
- 💡 I'm looking for help with React Native
- 💬 Ask me about React,Python,Html5,Css3 and js
- 📧 How to reach me rashidkhang4067@gmail.com

Connect with me:

Languages and Tools:



Most Used Languages

Muhammad Rashid Shafique's GitHub Stats

Default Login Credentials

Role	Username	Password
Admin	admin	admin123
Teacher	teacher1	teacher123
Accountant	accountant1	accountant123
Staff	staff1	staff123