
Online Leave Management System for College

A desktop-based application that enables students to apply for leave and faculty to manage leave requests digitally. This system is built using PyQt for the user interface and SQLite for the backend database.

🚀 Features

👗 Student Module

- Student login/registration
- Submit leave requests with:
- From date
- To date
- Reason
- Leave type (Sick, Casual, Other)
- View leave request status (Pending, Approved, Rejected)

📳 Faculty Module

- Faculty login
- View list of student leave requests
- Approve or reject requests
- Optionally add review comments

i Technology Stack

Technology Stack Layer **Technology** PyQt5 (Python GUI Frontend Framework) Backend Python 3.x Database SQLite3 PDF/Export reportlab, pandas (optional) ## • Project Structure LeaveManagement/ — main.py → Entry point of the app ├— db/ ☐ leave_system.db → SQLite database

How to Run the Project

└── README.md

→ Project documentation

1. Clone this repository:
```bash
git clone <a href="https://github.com/your-username/leave-management-pyqt.git">https://github.com/your-username/leave-management-pyqt.git</a>
cd leave-management-pyqt
2. (Optional but recommended) Create a virtual environment:
python -m venv venv
source venv/bin/activate # On Windows: venv\Scripts\activate
3. Install dependencies:
pip install -r requirements.txt
4. Run the application:
python main.py
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## Sample Login Credentials

Role	Username	Password

Student	AD1	AD1@123
Faculty	T1	T1@123

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natabase Schema Overview (SQLite)

Table: users

Column Name	Туре	Description
id	INTEGER	Primary Key
name	TEXT	User's name
email	TEXT	Unique login email
password	TEXT	Hashed password

role TEXT 'student' or 'faculty'

Table: leave_requests

+	-+	+		
Column Na	ame   Type	Description	I	
+	-++-	+		
id	INTEGER	Primary Key	1	
student_i	INTEGER	Foreign Key to users table	1	
from_date	TEXT	Leave start date	1	
to_date	TEXT	Leave end date	1	
reason	TEXT	Reason for leave	1	
leave_type	e   TEXT	Sick / Casual / Other	1	
status	TEXT	Pending / Approved / Rejected	l	
reviewed_by  INTEGER  Foreign Key to faculty table (optional)				
comment	TEXT	Reviewer's remark	1	
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Faculty comment notification to student
Admin module with analytics
Dark mode theme for UI
Mobile version using Kivy or PyQt for Android
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If you have any questions, feel free to raise an issue or email me at:
Would you like help generating:
- The database.py file for SQLite access?
- PyQt UI templates for login or dashboard?
- Code to connect login and role-based dashboard switching?
Let me know — I can generate them tailored to your current structure.