



PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science

eSchool : Learning Management System

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Project Guide

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1. Introduction

- Eschool is an Python Based application ,which helps students to keep track of their academics .
- Problem Identified :
 - Students need to view their attendance , grades and sometimes it can be a hassle?
- Solution Proposed :
 - eSchool will help them view their attendance and grades in tabular format.
 - eSchool will also make managing students easier for staff .

2. Objectives

1. Creating a easily understandable but modern GUI .
2. Creating a database where admin and staff can store students information .
3. Adding a chat feature for students and staff to solve doubts .
4. Create tables for students so they can view their attendance and grades easily .
5. Adding a Announcement feature where Admin will be sending notices for staff and student .

3. Scope

1. Can be useful to Student for managing their studies
2. Can be useful to Teachers for managing students and helping them solve their doubts .
3. Can be useful by admin to keep track of teachers and students attendance .
4. Can be applied in Collages / Universities / Schools .
5. One can also use this application to manage private coaching classes .

4. Feature /Functionality

- Feature 1 :
 - Easy access to data for student, staff and admin .
- Feature 2 :
 - Quick text chat with anyone connected to server .
- Feature 3 :
 - Adding features such as (Managing attendance and grades)
- Feature 4 :
 - Our system provides video call feature for the users. (Doubt solving, extra lecture.)

5. Outcome of Project

1. User Can Create account, Login, Change Password .
2. User can View Their grades and their attendance
3. User can also communicate with using chat .
4. Staff can apply for leave which will be reviewed by Admin.
5. Admin can remove student and staff.
6. staff manages the attendance of students .

6. Technology Stack

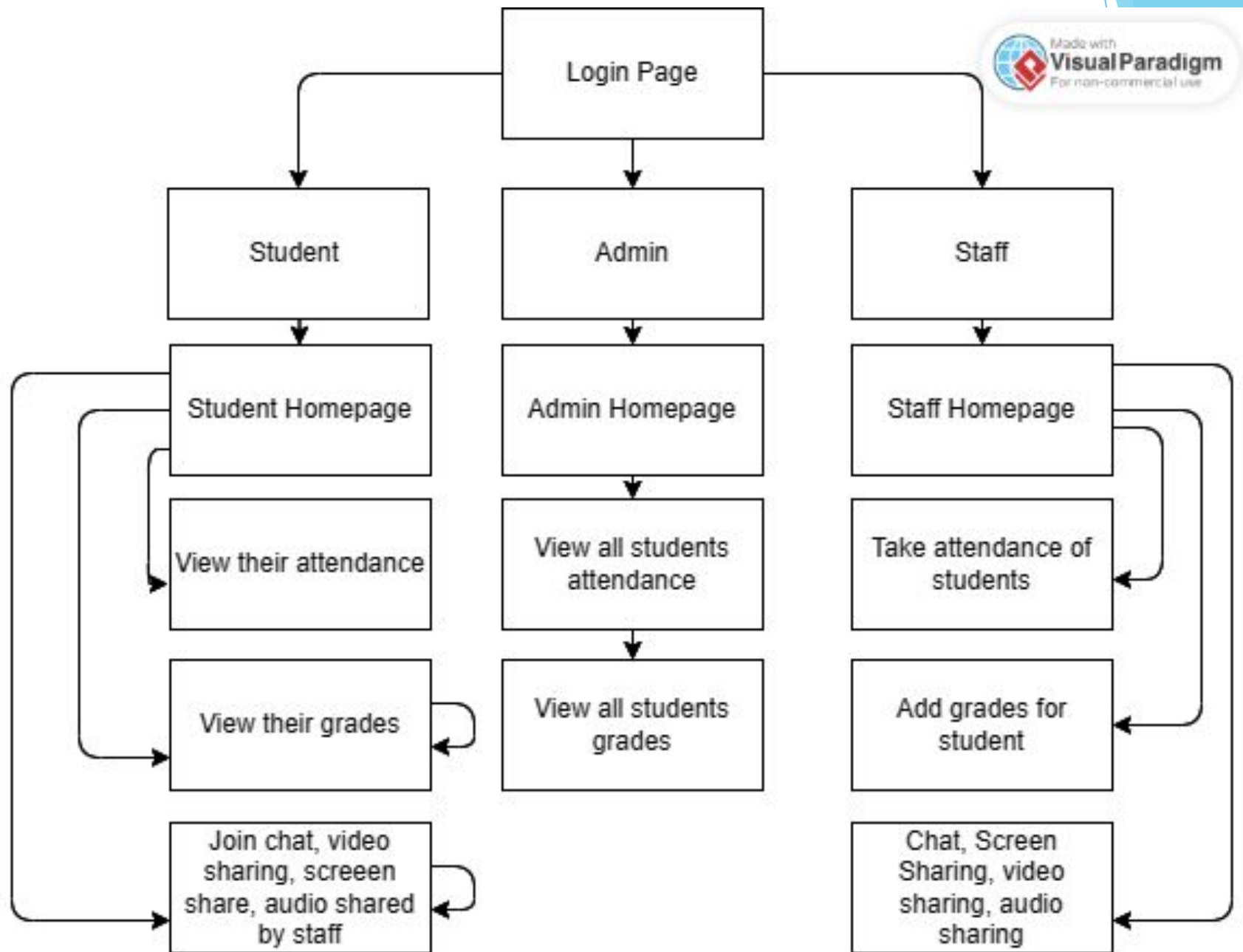
1. Front end (GUI) :

- Python 3.11.1
- CustomTkinter 5.1.2

2. Backend (Database) :

- Mysql 8.0

7. Block Diagram



Thank
You...!!