📘 Attendance Management System

🔷 Project Overview

The **Attendance Management System** is a smart and efficient solution designed for teachers to manage classroom attendance digitally. It eliminates manual record-keeping and automates the process of notifying parents about student absences.

Teachers can easily log in, open their personalized dashboard, select a class, and mark each student as **Present** or **Absent**. Once the attendance is submitted, the system automatically sends email notifications to parents of absent students.

🔷 Key Features

- 👩‍🏫 **Teacher Dashboard** – Easy-to-use interface for selecting classes and managing students.

- 🧑‍🎓 **Student Records** – Teachers only enter student details (name & email) once. After that, the data is saved for future use.

- ✅ **Attendance Marking** – Quick selection of *Present* or *Absent* for each student.

- 📧 **Automated Email Alerts** – Parents instantly receive an email if their child is marked absent.

- 🗑 **Data Management** – Teachers can edit or delete student details whenever required.

- ⚡ **Fast & Reliable** – Reduces manual effort and ensures accuracy in communication.

🔷 Tech Stack

- **n8n** → Workflow automation (handling email notifications).

- **Lovable AI** → Used for designing a modern, responsive User Interface.

- **Email Integration** → Automated system for sending absence alerts.

🔷 Workflow Example

1. Teacher logs in and selects a class.

2. Students' names & emails are already available (entered once previously).

3. Teacher marks students as *Present* or *Absent*.

4. On clicking **Send**, the system automatically sends an absence email to respective parents.

5. Teacher can add new students or remove old ones anytime.

🔷 Benefits

- Saves time and effort for teachers.

- Keeps parents updated daily.

- Eliminates manual errors in attendance management.

- Can be scaled for multiple classes and schools.

⚡ *This project demonstrates the integration of automation (n8n) with AI-powered UI design (Lovable), creating a seamless and practical education technology solution.*