**Introduction:**

This project involves designing a relational database for managing a school’s student information system. It facilitates tracking students, teachers, subjects, classrooms, and attendance records in an organized and efficient manner.

**Purpose of the Project:**

The main goal of this project is to develop a database structure that allows easy storage, retrieval, and management of information related to:

• Student enrollment

• Teacher assignments

• Subject offerings

• Classroom allocation

• Attendance tracking

This database will streamline academic operations and improve data consistency across the institution.

**Entities Description and Attributes:**

1. **Student**

• Attributes:

• Student ID (Primary Key)

• Student name

• Class

2. **Classroom**

• Attributes:

• Class ID (Primary Key)

• Class name

• Student ID (Foreign Key referencing Student)

3. **Attendance**

• Attributes:

• Student ID (Foreign Key referencing Student)

• Attendance ID (Primary Key)

• Date

• Status

4. **Teacher**

• Attributes:

• Teacher ID (Primary Key)

• Teacher name

• Email

5. **Subject**

• Attributes:

• Subject ID (Primary Key)

• Subject name

• Teacher ID (Foreign Key referencing Teacher

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