

# **Employee Management & Attendance Tracker - Project Report**

## **Introduction:**

This project aims to maintain employee information and track daily attendance for HR workflow. It simplifies storing employee details, marking attendance, and retrieving records using SQL operations.

## **Abstract:**

The system allows CRUD operations for employee data along with attendance tracking. It is developed using SQL concepts such as DDL, DML, joins, views, procedures, and subqueries, ensuring efficient data handling.

## **Tools Used:**

- MySQL Workbench / SQLite Studio • SQL Developer • GitHub for project version control

## **Steps Involved in Building the Project:**

1. Designed database schema and ER diagram.
2. Created tables for employees and attendance records.
3. Inserted sample employee and attendance data.
4. Implemented select, aggregate & join queries.
5. Added views, subqueries, functions & procedures.
6. Tested queries and documented results.

## **Conclusion:**

This project enhanced SQL skills through schema design, data manipulation, joins, and procedures. It can be extended with UI & backend API for full HR automation.