

Major Project (KCA451)

Even Semester

Session 2024-25

Salary-Distributed and Attendance Tracker

Kunal Gangwar (2300290140093)
Khushi Singh (2300290140089)
Jeetu Gangwar (2300290140082)

Project Supervisor:
Dr.Akash Rajak
(Professor)

Content

- Introduction
- Literature Review
- Objective of the Project
- Technology
 - Hardware Requirements
 - Software Requirements
- Modules
- Workflow
- 0 LEVEL DFD
- 1 LEVEL DFD
- Reports
- References

Introduction

- ▶ In organizations, managing employee attendance and salary distribution is a critical task that requires accuracy and efficiency. This project aims to develop a system that automates attendance tracking and salary processing, reducing human errors and improving productivity.
- ▶ **Automation for Accuracy** – Manual attendance tracking and salary distribution often lead to errors and inefficiencies. This system aims to automate these processes, ensuring accuracy and reducing administrative workload.

Literature Review

1.Importance of Salary-Attendance Tracker:

- ▶ Existing methods for salary distribution and attendance tracking often rely on manual processes or outdated software, leading to inefficiencies.

2.Traditional Attendance Tracking Methods

Manual attendance tracking methods, including paper-based registers and punch cards, have been widely used in the past.

Objective of the Project

1. Automated Attendance Tracking
2. Leave and Overtime Management
3. Employee Data Management
4. User Roles And Access Control

Technology (Hardware Requirements)

1. **Processor:** Intel Core i5 .
2. **RAM:** Minimum 8GB (Recommended 16GB or more)
3. **Storage:** SSD 256GB+ (Recommended 512GB or more for large data storage)
4. **Operating System:** Windows Server

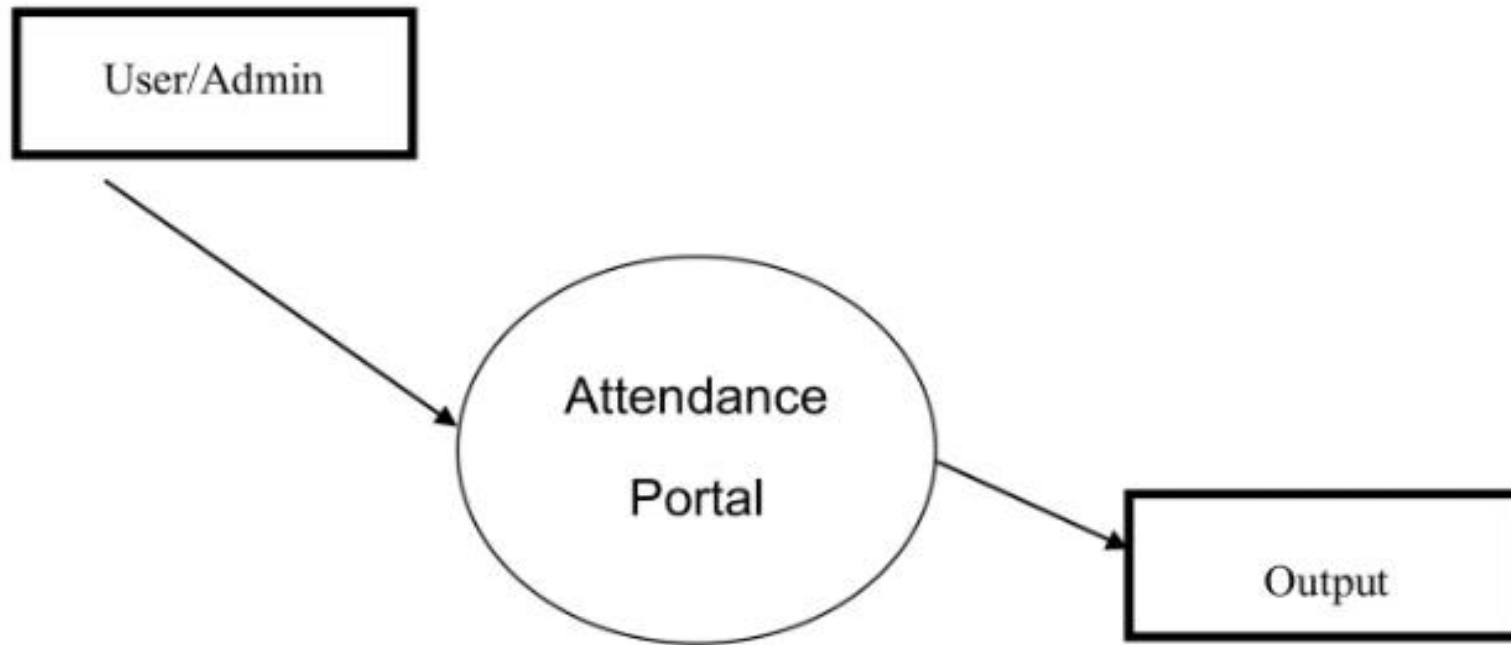
Software Requirements

1. Frontend Technologies : HTML, CSS, Javascript.
2. Backend Technologies : PHP
3. Database : MYSQL.

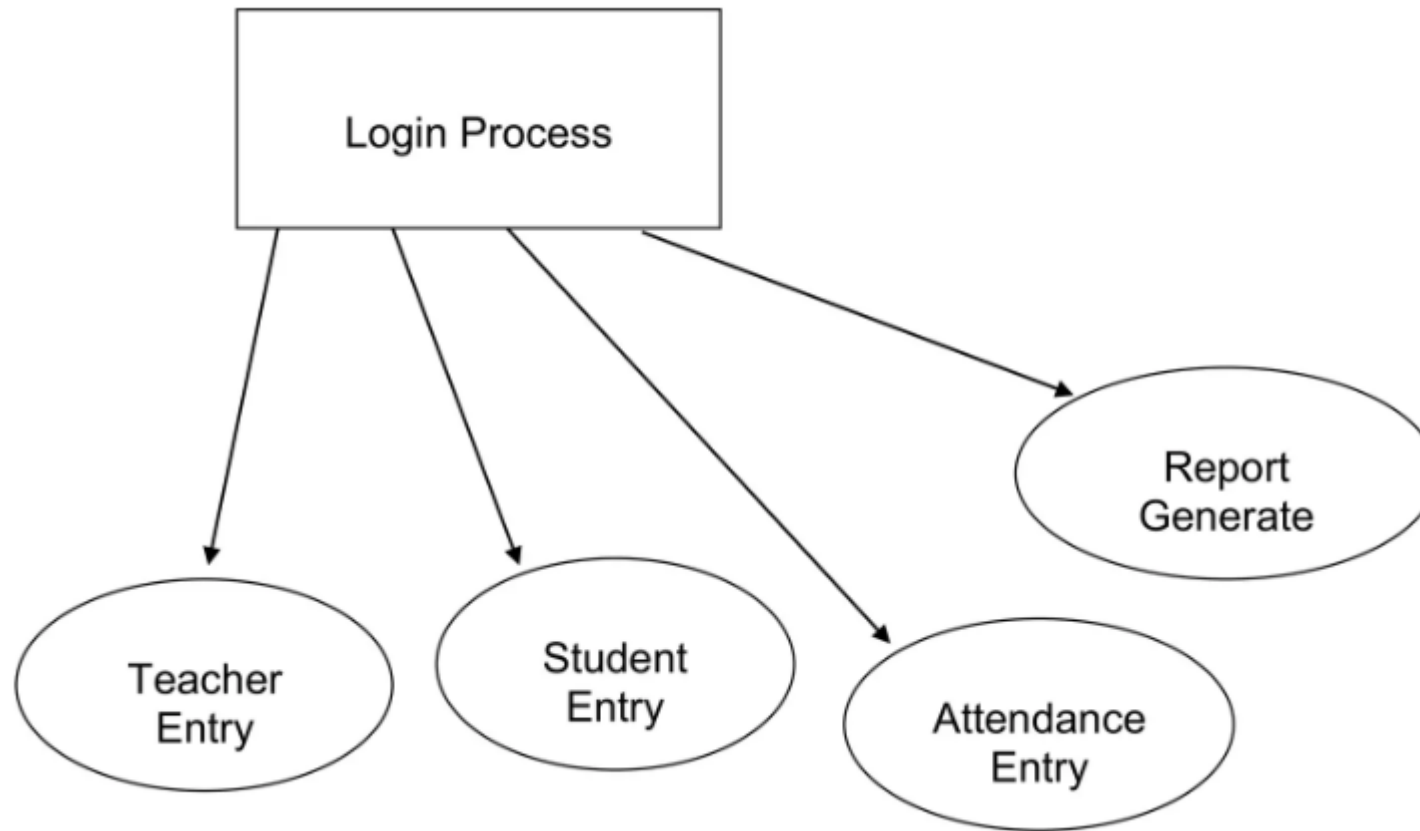
Modules

1. **User Authentication**
2. **Employee Module**
3. **Attendance Tracking Module**
4. **Leave Management Module**
5. **Salary Calculation Module**
6. **Notification Module**

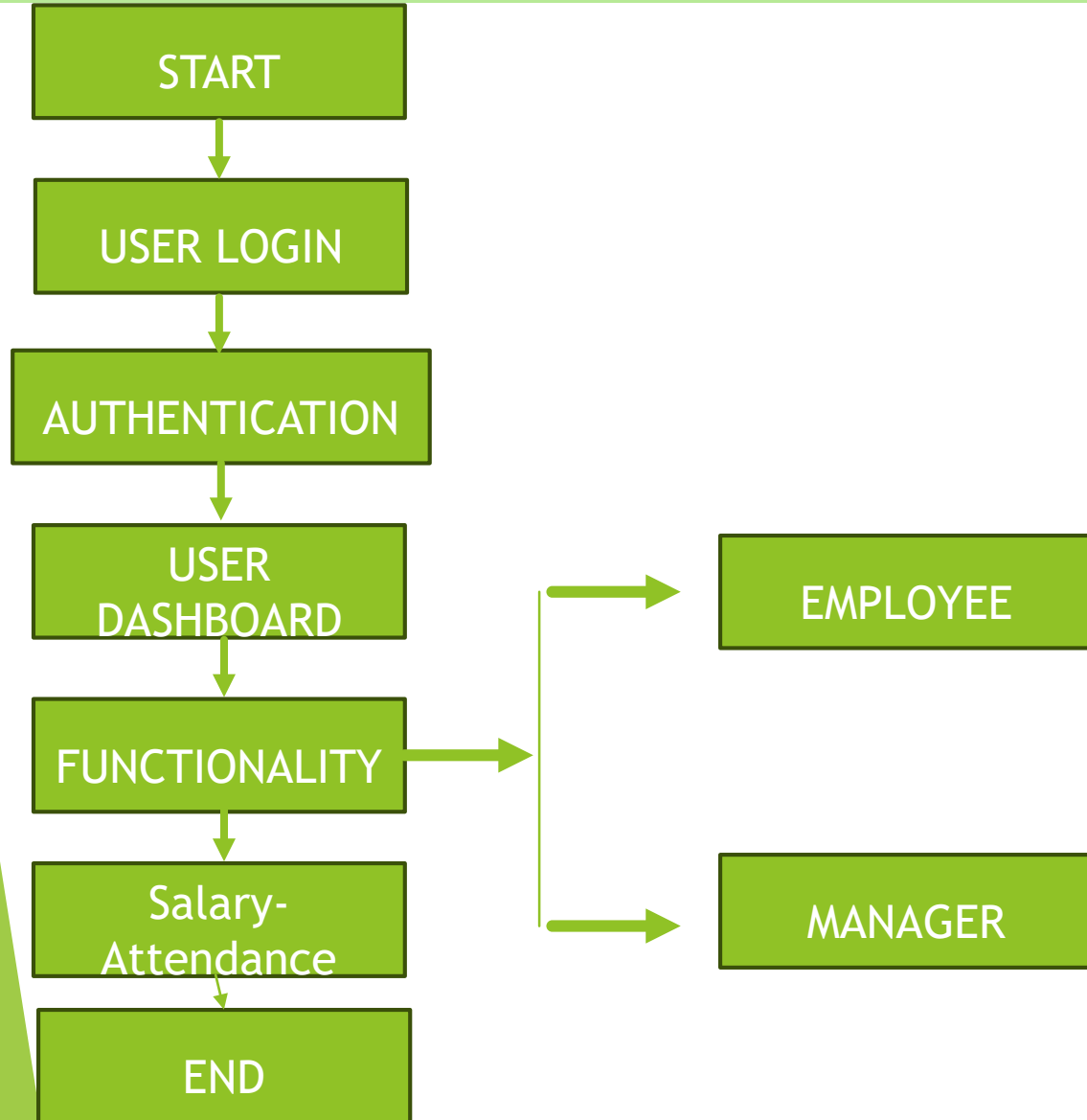
0-LEVEL DIAGRAM



1-LEVEL DIAGRAM



Workflow/Gantt Chart



Reports

Reports in Salary-Attendance Tracker

- ▶ **Monthly Attendance Reports** – Tracks employee attendance, absences, and late entries.
- ▶ **Employee Salary Reports** – Details salary calculations, including basic pay, deductions, and bonuses.
- ▶ **Leave and Overtime Reports** – Records approved leaves, overtime hours, and their impact on payroll.
- ▶ **Tax and Deductions Reports** – Summarizes tax deductions, provident fund contributions, and other statutory deductions.

References

1. Official documentation of biometric and RFID attendance systems.

2. Web Resources:

➤ Frontend: HTML, CSS, and JavaScript"

Link: <https://www.w3schools.com/>

➤ Backend: Python, PHP

Link: <https://docs.python.org/3/>

➤ Database: Mysql

Link: <https://dev.mysql.com/doc/>