

# Employee Management System

Madya Ansari, Maviya Shaikh, Ansari Abdul Basit, Jigna Waghela

*Computer Engineering, Babasaheb Gawde Institute of Technology,*

*Mumbai Central, Dr Anandrao Nair Marg, Mumbai,*

*Maharashtra 400008, India.*

[ansarimadya80@gmail.com](mailto:ansarimadya80@gmail.com)

[shaikhmaviya1020@gmail.com](mailto:shaikhmaviya1020@gmail.com)

[abdulbasitansari689@gmail.com](mailto:abdulbasitansari689@gmail.com)

[jignawaghela2000@gmail.com](mailto:jignawaghela2000@gmail.com)

*Prof. Hira Rakhunde (Guide)*

*Computer Engineering, Babasaheb Gawde Institute of Technology,*

*Mumbai Central, Dr Anandrao Nair Marg, Mumbai*

*Maharashtra 400008, India.*

[Hira.rakhunde@gmail.com](mailto:Hira.rakhunde@gmail.com)

**Abstract**— in any organisation such as schools, colleges, companies, industry, etc certain number of employee's are employed. Managing this type information by just simply noting them in a diary is a tedious task to do. So in order to manage employee's details some automation is required. Employee Management which includes automated management of an employee's attendance payroll activities based on attendance, gratuity, provident fund and generates Salary slip, thus reducing large amount of paper work. This software is built using php, AJAX, CSS and MySQL for database.

**Key words:** payroll, attendance, gratuity, provident fund, employee.

## I. INTRODUCTION

You're The Employee Management System objective is to provide a system which manages the employee details, the payroll activities done in a company depending upon the employee's attendance and its calculation is very huge. The users will consume less amount of time through computerized system rather than working manually. The system will take care of all the payroll activities like managing each employee's attendance, number of leaves taken by that particular employee and calculation of salary in very quick manner.

Data storage is easier. Paper work will be reduced and the company staffs spend more time on monitoring the progress. The system is user friendly and easy to use. All the important data's will be stored in a database and it avoids miscalculation.

Admin has the authority to add employee details. And he also has the right to edit or delete employee information to/from the list. Admin provides unique username and password for each employee through which he can login and all the information is stored in database.

## II. TECHNOLOGY USED

At front end we have used 'HTML' and 'CSS', at the backend we have used 'php', scripting languages used are 'javascript' and 'AJAX' and for database we have used MySQL.

## III. BASIC REQUIREMENTS

### A. Software requirements:

III.A.1 PHP Compiler – XAMPP or WAMPP

III.A.2 LINUX BASED HOSTING WITH LAMP STACK – LINUX, APACHE, MYSQL,PHP (IF LIVE SERVER HOSTING)

III.A.3 Chrome Browser or any latest browser with networking support.

### B. Hardware requirements:

III.B.1 Processor: Quad Core or above

III.B.2 Processor Speed: 2.0GHZ or above

III.B.3 RAM: 2 GB RAM or above

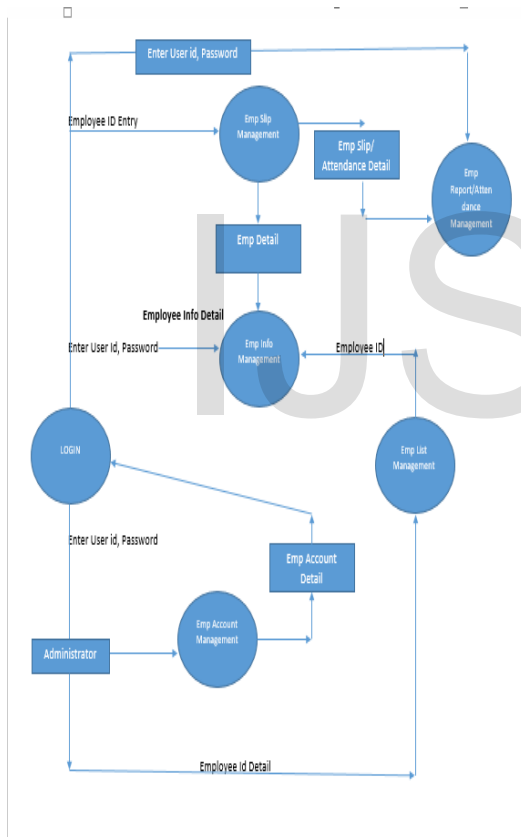
III.B.4 Hard Disk: 20 GB hard disk or above

## IV. MODULES

- a) Employee: When a new employee joins the company, his record is saved in the database.
- b) Workdays: the Admin has the authority to add the no of workdays of a company per month.
- c) Salary Calculation: Here salary is calculated for each employee based on their attendance. As soon as the salary is paid to an employee, a salary slip will be generated.
- d) Provident and Gratuity calculation: based on the number of years of working and provident fund act percentage.

- e) Registration: As soon as the employee joins the company, the admin provides unique username and password to him.
- f) Display: A user can view information regarding employees working in that company, attendance, salary cycle etc. It's like a dashboard.
- g) Logout: This module allows the user to Logout the application.

V. DATAFLOW DIAGRAMS



VI. APPLICATIONS

- a) Cloud based system can be implemented anywhere in the world with internet connectivity
- b) Can be integrated in school, colleges etc. to maintain records
- c) Can be used to calculate accurate salary based on the attendance.

- d) Can be integrated in big and small scale industries
- e) Fully customizable according to the needs

VII. ADVANTAGES

- a) Time saving due to digital management in software very less manual intervention.
- b) Secure data storage.
- c) Proper management of employee resources will lead to profit enhancement.
- d) More disciplinary approach from employees as they are being monitored by the Employee Management System software.
- e) Clear communication and transparency of payment of employees as every employee details are digitalized.
- f) Proper salary calculation.
- g) No mistakes in salary deduction due to low attendance.
- h) Proper attendance tracking
- i) Employee can view his/her details by his username and password that will help him/her to analyze his/her details

VIII. SCOPE

This project is helpful in maintaining the employee's record, calculating the salary for each employee and it also focuses on each employee's attendance and the no of leaves taken per month/year. There is also a possibility of checking salary report at any time so that it doesn't lead to any miscalculation.

IX. CONCLUSION

This project is developed using php, html, css, Ajax, javascript and MySQL fully meets the objective of the system which it has been developed. This project is used for computerizing employee management work in offices, schools, etc. The software keeps record of employee's attendance, provident fund, gratuity and salary and generates the slip of salary too. The software is capable of easy storage of information related to employee through database.

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