

Payroll Management System

Anusha M¹, Archana BK², Balaram M³

Students, Department of BCA^{1,2}

Assistant Professor, Department of BCA³

BMS College of Commerce and Management, Bengaluru, India

Abstract: “Payroll Management System” is software that is used to manage all your employee financial records in a simple and automated fashion. Payroll processing in India is an overwhelming process as it constitutes enormous financial elements like gross salary, net salary, bonuses, daily wages, compliances, and many more such elements which are part of each employee hired to retire journey with an organization. Employees rely on the company process to get paid without any type of delay. A payroll management system is designed to make the existing manual system automatic with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data and information can be stored for a longer period with easy access and manipulation of the same. The required software is easily available and easy to work with. This web application can maintain and view computerized records without getting redundant entries. The project describes how to manage user data for good performance and provide better services for the client. A payroll management system has been developed to overcome the problems faced in the practice of manual systems. This software is built to eliminate and in some cases reduce the hardships faced by the existing system. Moreover, this system is designed for the particular needs of the company to carry out its operations smoothly and effectively. This would include details of the employee's salaries, incentives, bonuses, deductions, and net pay. It deals with recording and processing employees' payroll data so that the executives can easily manage the organizational operations. This web application is reduced as much as possible to avoid errors while entering data. It also provides an error message while entering invalid data. It is user-friendly as no formal knowledge is required to use the system. The purpose of this document is to describe the functionality and specifications of the design of a web application for Managing Employees and their payroll. The expected audiences of this document are the developers and the admin of the web application. Finally, we can say that this system will not only automate the process but save the valuable time of the manager or the admin, which can be well utilized by his institute. This will be an added advantage and management of power based on their free time from their normal duty.

Keywords: Payroll, MYSQL, HTML, CSS, PHP.

I. INTRODUCTION

The proposed project “Payroll Management System” has been developed to overcome the problems faced in the practice of manual systems. This software is built to eliminate and, in some cases, reduce the hardships faced by the existing system. Moreover, this system is designed for the particular needs of the company to carry out its operations smoothly and effectively. This web application is reduced as much as possible to avoid errors while entering data. It also provides an error message while entering invalid data. It is user-friendly as no formal knowledge is required to use the system. Human resource challenges are faced by every organization which has to be overcome by the organization. Every organization has different employee and payroll management needs. Therefore, this project has designed an exclusive Employee and Payroll Management System that are adapted to the organization's Managerial Requirements. Payroll management is very simple, flexible, and user-friendly management software. That takes care of all requirements relating to accounting and management of employees' payroll. Payroll stores complete records of the employee, generate pay slips and compute all allowance and deductions, and generate all statutory reports. It offers very high flexibility in defining various allowances, deductions, leaves rules, etc. for the employees and all formulas for net pay are definable and changeable on the user's end. A payroll application has been designed to maintain details of

various allowances and deductions that need to be given to the employee of the organization. Also, it generates the salary sheet automatically for employees of an organization that assists the accounts department in many ways.

II. STATEMENT OF THE PROBLEM

The problem with the existing systems is that the organization is maintaining most of its day-to-day transaction data in the registers. The employees of the organization are doing the whole work manually. All the work is done manually so different employees are appointed for the maintenance of registers containing all the information related to the organization and employees. It is very time-consuming and it is also not error-free in some situations. In existence manual system databases calculations are difficult to perform so report generates as very much difficult.

III. OBJECTIVES

The primary objective of the Payroll Management System is to process payroll information in an online environment, so specific online procedures can be performed in seconds rather than the hours required by traditional batch methods of computer processing. This Payroll Management System performs the basic payroll objectives by providing a complete and accurate record of all payroll transactions affecting each hourly and salaried employee.

IV. MODULES

The entire project mainly consists of 2 modules, which are

- Admin module
- Employee module

4.1 Admin module

- In this section, the admin has the authority to log in using a predefined username and password
- In the admin administrative page where he can register new employees, pay salaries to the employees or delete any employee.
- In this module, the admin can view applied leave by the employee.
- Admin can manage and view attendance.

4.2 Employee Module

- In this module, employee has a registration page where the admin registers new employees by inserting details into the registration form
- In the salary page where the admin can pay the salary to the employees.
- In the employee delete page using which the admin can remove any employee from the database by specifying the employee ID.
- Employee profile report containing the details of all the employees in the table which can be accessed by the admin.
- In apply leave page where an employee can apply for the leave.

V. EXISTING SYSTEM

In existing, a project admin can pay salary, delete employee, add employee and edit employee, admin can manage the attendance and Employee see cannot view deductions and earnings the and pay slip section.

VI. PROPOSED SYSTEM

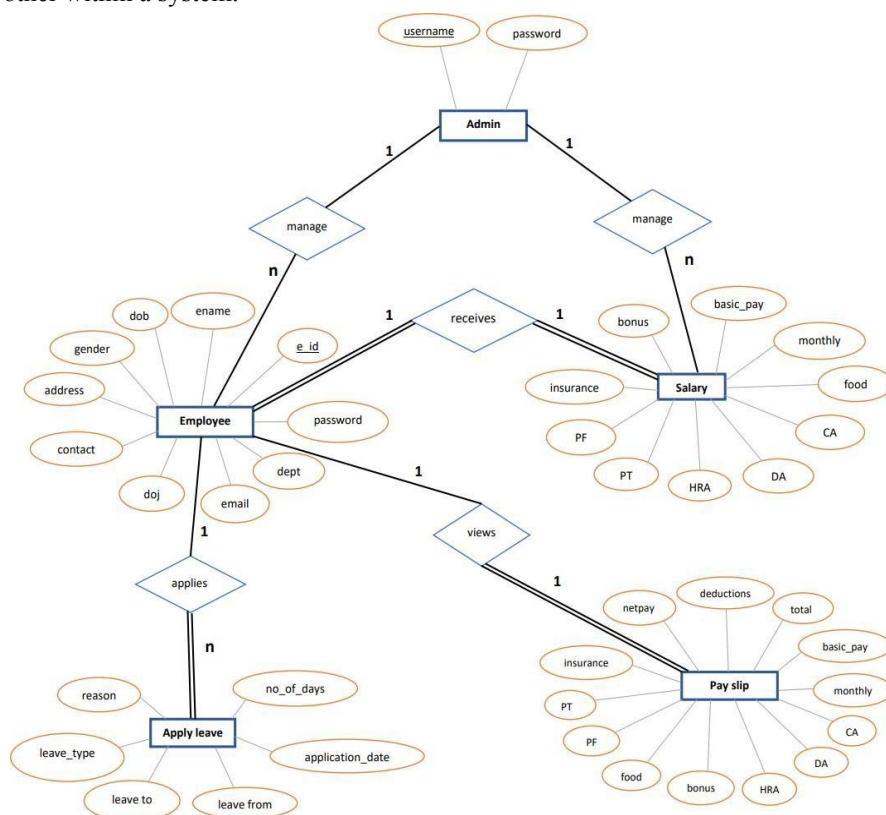
In the proposed system the admin can employees see, edit their details and delete the employee. The admin can also update the salary details for the employees. The employees can view the salary they would be receiving. They can also view the deductions and the salary slips. The system is designed to be efficient and accurate in calculating the deductions and provide a smooth experience to the users.

VII. APPLICATIONS OF PAYROLL MANAGEMENT:

- Cost-effective active as the controls tool the web application himself and does not go for professional service.
- It saves time as it speeds up every aspect of the employee database management and payroll process with a range of automated features.
- It is secure as the employee database and the payroll process is managed by the in-house house rather than sending private information to a third party.
- Validating procedures and checks rest the rich user from making mistakes.
- The software is easy to use and user-friendly so no expertise is required.
- The calculations are automated so no chance of error.

VIII. ER DIAGRAM

An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system.



IX. CONCLUSION

In conclusion, a database is a far more efficient mechanism to store and organize data than spreadsheets. It allows for a centralized facility that can easily be modified and quickly shared among multiple users. Having a web-based front end removes the requirement of users having to understand and use a database directly, and allows users to connect from anywhere with an internet connection and a basic web browser. It also allows the possibility of queries to obtain information for various surveys. This application is used for keeping track of employee information. It is built keeping in mind that it is to be used by only one user that is the admin. It is built for use in small-scale organizations where the number of employees is limited. This database consists of different entities like the profile details, application for leave, and pay slip. According to the requested requirement, the admin can add, manipulate, update and delete all employee data in his organization. The required records can be easily viewed by the admin anytime he wants in an instant. The payment of the employee is based every month. Numerous validations implemented would enable the admin to enter accurate data. The main objective of this framework is to save time, make the system cost-effective and manage records efficiently.

X. FUTURE ENHANCEMENT

Our system is developed based on the demand of user satisfaction and facilities. In our system, we have used modern web technologies to make our system fast, convenient, and efficient for all of the personnel mentioned. In the future, we plan to implement more functionalities. We also intend to give way to more integrated payroll and self-service technology where every employee has security rights to the payroll system

REFERENCES

- [1]. KritikaMahajan, Shilpa Shukla, Nitashasoni(2015)"a review of computerized payroll system" university of lingaya, department of computer science.
- [2]. <https://www.w3schools.com/>
- [3]. <https://www.youtube.com/watch?v=E0TEh47zmi0>