

Employee Attendance Monitoring System

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Abstract— Employee attendance monitoring system deals with the maintenance of the employee's attendance detail. It generates the attendance of the employees on the basis of presence. Employee attendance monitoring system is a web application, developed to maintain the details of attendance of employees working in any organization. It managing attendance and leaves for the employees of a company, but also to provide full functional reports to the management of the company with the details about usage of leave facility. It is simple to understand and can be used by anyone who has a basic knowledge about computer. This web application retrieves the details of the departments assigned to the relevant administrative employees with the internet connection and stores them in the database. At the end of the month, when the administrator is needed to attend, attendance reports can directly generate an administrator report view. This application will be developed using php and MySQL. The application is very user friendly. EAMS is a web application to manage the inner operation of company related to employee attendance and leaves.

Keywords: php; Employee Attendance System; MySQL

I. INTRODUCTION

Employee Attendance Monitoring application is designed to deal with attendance monitoring of an employee including his leave details with salary deduction.

The biggest benefit of EAMS is that it is easy to implement and makes the help or documentation a click away. Employee Attendance monitoring system is committed to bring the best way of management in various forms.

This application provides an easy way to automate all the functionalities involved in managing leaves and Payroll for the employees of Company. It also provides full functional reports to the management of the Company with the details about the usage of leave facility. The Purpose of the project is to maintain the information regarding the employee and generates the pay slip.

II. MOTIVATION

It is not possible for the administrator to monitor his staff in working hours all the time so, there is a need of a system.

The use of an employee attendance monitoring system can save company's time and reduce errors that are made while calculating attendance.

This system reduces errors & Saves money.

III. OBJECTIVE OF THIS PROJECT

Main aim of developing Employee Attendance Management is to provide an easy way not only to automate all functionalities involved managing leaves and payroll for the employees of a company, but also to provide full functional reports to the management of the company with the details about usage of leave facility.

We are committed to bring the best way of management in the various forms of EAMS. We understand that EAMS is not a product to be sold, it is an application to manage the inner operation of company related to employee leave and payroll.

This Application works in Multiple PC's by sharing same database by which users of different department can use it sitting at different locations simultaneously.

This application provides an easy way to automate all the functionalities involved in managing leaves and Payroll for the employees of Company. It also provides full functional reports to the management of the Company with the details about the usage of leave facility. The Purpose of the project is to maintain the information regarding the employee and generates the pay slip.

This application is developed specifically to cater the employee's Attendance management, is totally self-contained and works efficiently. It provides simple database rather than complex ones for high requirements and it provides good and easy graphical user interface to both new as well as experienced user of the computer.

It also helps the employee to enter their entry and exit time. Using the attendance module, the employee can also check their remaining leaves and also apply for the leave. Here even the overtime hours worked by the employee is entered.

IV. EXISTING SYSTEM

Initially the records are maintained manually and the Admin himself has to keep an eye on each employee's entry time and exit date.

V. PROPOSED SYSTEM

The EAMS helps in maintaining the computerized employee details and calculate the salary based on their leaves. It also helps to generate the reports.

EAMS helps in providing an easy way to calculate the working hours of each employee. It helps to calculate the salary of an employee within a fraction of seconds. Hence the salary will be calculated easily.

VI. APPLICATIONS

- 1) It is help to manage the whole manual work with ease.
- 2) It saves lots of time and reduce errors.
- 3) It also helps the employee to enter their entry and exit time. Using the attendance module, the employee can also check their remaining leaves and also apply for the leave.
- 4) It helps to generate monthly reports of attendance.

VII. EXPLANATION

Our end to end employee attendance monitoring system that provides php attendance system solutions for large, medium and small enterprises.



Fig.1 Homepage

Here is the place where we start login into the system. We have two options we can login as an employee or as admin. In case of login as an admin you will have the option and the ability to add, delete, change or update any information on the system so every action will be in control.

A. Admin Panel

This panel is designed to handle all administrator functions and it ensures that all the rules of administrator are effectively implemented it's a very powerful application/tool to manage employee attendance. It will be used by different companies in a variety of industries and it provides high quality effective and useful admin services.



Fig. 2: Admin Login Page

Here, Admin going to type his username and password then login. After successfully login into the system. Admin first access the dashboard.



Fig. 3: Admin Dashboard

All the information on the dashboard comes from the sidebar menu whatever admin update or change any data (in sidebar menu options) it shows on the dashboard. In the right corner here, admin find his profile if he clicks on the

icon, he can change anything related to his profile and can logout.

On the dashboard admin will find the total no of employees the present one (in attendance percentage) employees today and the employees those ones who are on the leave today and other information like a quotation that is used for motivations or so.

Now, on the sidebar menu first part is related to the employees so simply on clicking, admin will find here, two sections in employee. First section, if admin wants to add new employee then the forms show up on this section and the boxes where he just types in the info about the employee. He wants to add like the personal information i.e. first name, last name, upload image (if he wants to put a photo for the employee). Admin adds or register employees working within organization.



Fig. 4: Admin add employee

In account info section the login for the employee the email and the password which employee uses to login the system.

In the company details includes department of the employee and the employee id, the date of joining the date of leaving if he left the company and next here the Bank account Details.

Whenever admin add and fill in these boxes then on the second section "Manage Employee" section



Fig. 5: Admin manage employee

Manage Employee which is like a dashboard for the employee whenever admin add any information regarding the employee it will show up here.

Here, admin finds the employee id, the name of the employee id, email, department, date of joining and including these there are two operations that will be performed by the admin that are "Edit" and "Delete". Admin has right to manage employees. He can edit/update information of employee and can delete an employee if the employee leaves the company his data will be deleted by the admin.

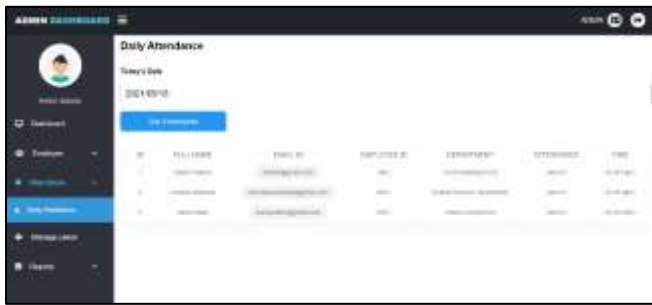


Fig. 6: Admin daily attendance

Now, next section on the sidebar menu is attendance in this admin finds the daily attendance section.

In daily attendance section, there is a box which shows the date of today and admin just click on the “Get Employee” he will find detailed daily attendance with employee name, employee id, department name, and the time.

Admin can see the daily attendance of employees. This page will show how many employees are present today.



Fig. 7: Admin manage leave

Next section is “manage leave” section. Whenever any employee applies for the leave it will shows here, and admin has right to approve and deny the leaves with specific comment. Here the detailed description of the leave is shown i.e. the date on which leave has been applied, leave duration (‘From date’ to ‘To date’) and reason for the leave.

There is a column named “status” where admin can see how many leaves are pending (it shows “pending”) and as soon as admin approve or deny the leave the status will be changed to “approved” or “Denied”.

The next section is report where admin can generate monthly reports of attendance and salary.

B. Employee Panel

This employee panel is designed to make the process of marking attendance easy. It handles all the functions of an employee. It will be used by the employee working within the organization.

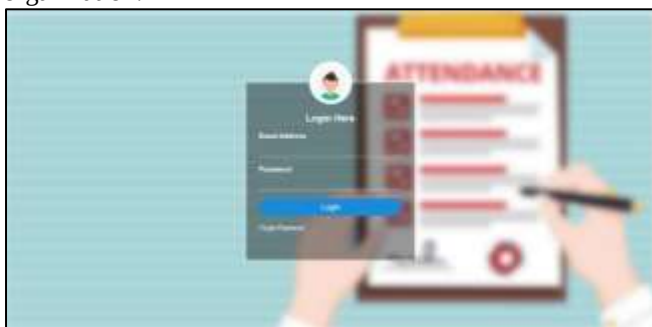


Fig. 8: Employee login page

The above figure shows the Employee login page.

Here, employee going to type his email and the password then click on login button. After successful logged into the system employee has the dashboard.

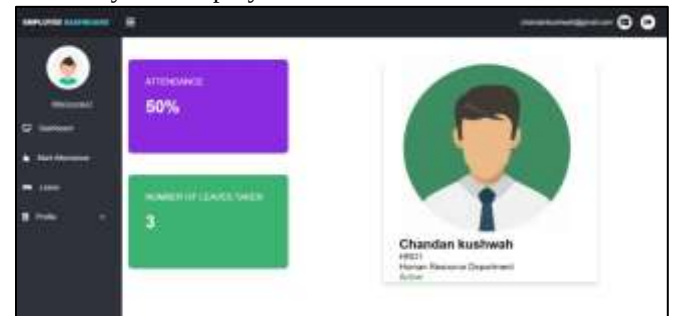


Fig. 9: Employee dashboard

All the information on the dashboard comes from the sidebar menu section. Whenever employee make any changes into this section the dashboard shows the changes. On the right-side corner two icons shown, one for viewing profile, where employee can see his details added by the admin and another one is for logout which next to the profile.

The dashboard shown with three cards, first one for attendance percentage (monthly), second one for leaves taken by the employee and third one shows the profile picture of an employee with his name, employee id, department and status.



Fig. 10: Employee mark attendance

This section is for marking attendance. Employee can mark his own attendance by himself. In this section, the boxes fetch all the data of the employee logged in and the employee has to just check the present button and click on mark-attendance button and his attendance will be mark for a particular date.

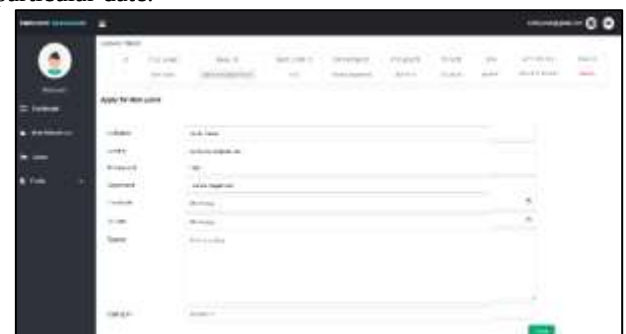


Fig. 11: Employee take leave

This section shows the number of leaves taken by the employee and a form for taking new leave. This form there are some boxes which are already contains the details like employee name, employee id, department and the current date and employee has to select the leave duration (From date to To date) and type the reason for the leave and as soon as

he click the button the request for the leave will be sent to the admin for approval.

VIII. CONCLUSION

The project entitled “Employee Attendance Monitoring system” is developed using Php and MySQL Server for database in back end to computerize the process of payroll and leave system. This Project purpose is to design a system which automate all the activities of attendance management in any organization.

However, a lot of features are already incorporated in this project. The main benefit of “Employee attendance monitoring system” is it can be easily handled.

This project covers only the basic features required. In order to accommodate additional features, it will take longer time and effort to understand the requirement and converting it into computerized system.

IX. FUTURE SCOPE

In future, many more modules can be added such as promotion, old employee details etc.

This system is not effective in monitoring buddy punching. There is a greater chance for doing malpractice here. But in future we will improve this project by adding biometric technology to it, then it can be properly monitored.

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