

Project Report on
PAYROLL MANAGEMENT SYSTEM
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ABSTRACT

“Payroll Management System” is designed to make the existing manual system automatic with the help of computerised equipment and full-edged 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 computerised records without getting redundant entries. The project describes how to manage user data for good performance and provide better services for the client.

INTRODUCTION

A payroll system is software designed to organize all the tasks of employee payment and the filing of employee taxes. These tasks can include keeping track of hours, calculating wages, withholding taxes and deductions, printing and delivering checks.

Payroll system is the heart of any Human Resource System of an organization. It is understood that we are tired of managing thousands of odd papers, pay slips, payroll reports, and salary details and so on. The proposed project “Payroll Management System” has been developed to overcome the problems faced in the practicing of manual system. This software is built to eliminate and in some cases reduce the hardships faced by the existing system. Moreover this system is designed for particular need of the company to carry out its operations in a smooth and effective manner.

The Payroll Management System deals with the financial aspects of employee's salary, allowances, deductions, gross pay, net pay etc. and generation of pay-slips for a specific period.

This web application is reduced as much as possible to avoid errors while entering data. It also provides error message while entering invalid data. It is user-friendly as no formal knowledge is required to use the system. Payroll software often requires very little input from the employer.

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 I have design exclusive Employee and payroll Management System that are adapted to the organization's Managerial Requirements.

PAYROLL SYSTEM PROJECT OVERVIEW

The main concept we cover in our system is manage employee detail, manage leave, Generate monthly salary, Extra Allowance and Deduction. Admin is a responsible for operate whole system. Admin has rights to Add new Employee, Each employee has a unique username and password to login in to system. After login in to system all employee can apply for a leave with valid reason. The admin can check leave and he can approve and reject employee leave. According to approve leave the leave deduction will be deducted from salary.

At the time of generate salary we can manually set Travel Allowance, Medical Allowance, Washing Allowance and Calculate HR and DA. Admin can generate and view Employee Report, Leave Report, month wise salary report, year wise salary report, Employee wise salary report. We have use crystal report for generate salary slip of employee.

PURPOSE

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. Now with the help of this system the admin has the information on his finger tips and can easily prepare a good record based on their requirements. 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 additional advantage and management of power based on their free time from his normal duty.

MODULES

Admin

The Admin gets logged in by valid username and password. Admin can add new Employee, add new Department, add new Pay Grade for the employees. Admin can set the 'from' and 'to' date worked by an employee in a department with specific pay grade. The Admin can generate an automated monthly salary of an employee. The admin can view all the past records of any recorded employee.

ADVANTAGES

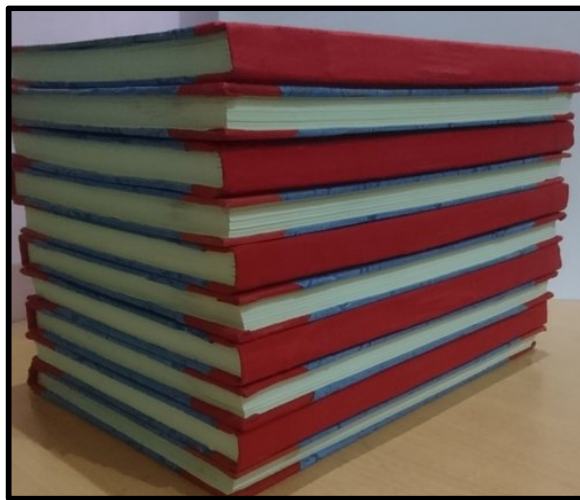
- It is cost effective as the user control the web application himself and does not go for professional service.
- It saves time as it speeds up every aspect of the employee database management and payroll process with a range of automated features.
- It is secure as the employee database and the payroll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

DISADVANTAGES

- It requires an internet connection.
- It requires large database.

PROBLEM DEFINITION

Every organization or company needs to manage the data of their employees. Traditionally this task is done manually in the form of registers maintained by a specific employee the organization. Performing this task in traditional way is difficult and very complex. Also this task consumes a lot of time. As this task is performed by human beings, chances of occurrence of errors in data entry and calculation is also there.



Traditional registers used to store the data of employees

Human resource challenges are faced by every organization which has to be overcome by the organization. In short, managing the employees' data manually is not very efficient.

PROPOSED METHODOLOGY

The proposed project “Employee Database and Payroll Management System” has been developed to overcome the problems faced in the practicing of manual system. This software is built to eliminate and in some cases reduce the hardships faced by the existing system.

Moreover this system is designed for particular need of the company to carry out its operations in a smooth and effective manner. This web application is reduced as much as possible to avoid errors while entering data. It also provides error message while entering invalid data. It is user-friendly as no formal knowledge is required to use the system.

TECHNOLOGIES USED

1. **PHP:** PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP. PHP 7 is the latest stable release.
2. **HTML: Hypertext Markup Language (HTML)** is the standard markup language for documents designed to be displayed in a web browser. HTML 5 is the latest version
3. **CSS: Cascading Style Sheets (CSS)** is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
4. **MySQL:** MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. This tutorial will give you a quick start to MySQL and make you comfortable with MySQL programming.





HARDWARE USED

RAM: 2GB

PROCESSOR: CORE 2 DUO or more

FUNCTIONAL REQUIREMENTS

ADMIN:

This module helps the administrator to enter the designation and the related description. It also helps to add the department.

EMPLOYEE:

This module helps to add the details of the employee like the personal detail and the employee detail.

SEARCH:

This module helps to search the employee details department wise and designation wise.

SALARY:

This module helps to calculate the salary by adding the allowances and the basic salary and by deducting the deductions based on the leaves and also the PF, ESI. It also helps to generate the employee pay slip.

REPORT:

This module helps to generate the administrative reports like the Salary Report and the Employee Report which is in can be exported to word, pdf.

SCREENSHOTS



Payroll Management System

admin

Employee

Deduction/s

Income

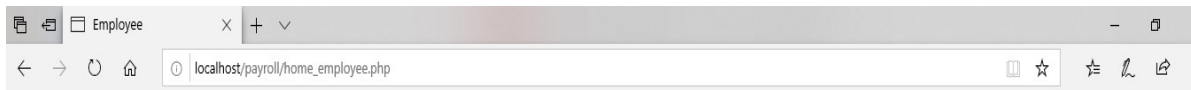
Welcome to

PAYROLL MANAGEMENT

This payroll management system has been made to exercise management of the salary of the employees of an organization.

Made by Bhanu Aggarwal

[My LinkedIn](#)



Payroll Management System

Admin

Employee	Deduction/s	Income
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Add New

List of Employees

Show entries

Search:

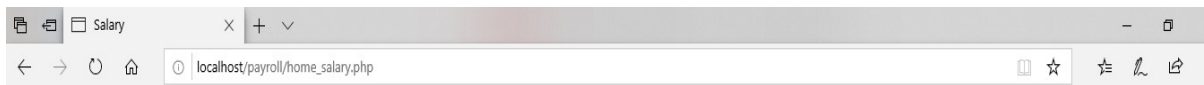
Name	Gender	Employee Type	Department	Action
Aggarwal, Bhanu	Female	Regular	MIS	Account Delete
Nandal, Deepak	Male	Casual	Admin	Account Delete
Varma, Ravi	Male	Job Order	Human Resource	Account Delete
Name	Gender	Employee Type	Department	Action

Showing 1 to 3 of 3 entries

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http://localhost/payroll/home_employee.php



Payroll Management System

Admin

Employee	Deduction/s	Income
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Modify Overtime Rate

Modify Salary Rate

Overtime rate per hour: 10.00

Salary rate: 15000.00

Account

Show entries

Search:

Name	Deduction	Overtime	Bonus	Net Pay
Aggarwal, Bhanu	0.00	2 hrs	2.00	15022.00
Nandal, Deepak	1.00	24 hrs	10000.00	25239.00
Varma, Ravi	5.00	1 hrs	1.00	15006.00
Name	Deduction	Overtime	Bonus	Net Pay

Showing 1 to 3 of 3 entries

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FEATURES OF EMPLOYEE DATABASE AND PAYROLL MANAGEMENT SYSTEM

- Easy to use
- It is completely secure.
- It is completely controlled by admin.
- This system is easily compatible with most of the web browsers.
- It is very interactive and saves time.
- Reduces paper works.
- Calculations are automated so it is highly accurate.
- Admin can view all the records whenever necessary with ease.

ATTRIBUTES

Reliability

In order to ensure reliability, this system is being designed using software that is established to be stable and easy to use.

Availability

This system is designed to run 24/7 and be readily available to the user.

Security

The access to the software is given only to valid operators. We need a specific ID and password to get access to the software.

FUTURE SCOPE

- The option to print the records In future.
- A leave structure feature can be added.
- A regular backup mechanism to back up the employee database can be added to avoid disasters.
- The system can be developed in such a way that its existing features can be modified to better versions.

CONCLUSION

This project 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 organization where the number of employees is limited. According to the requested requirement the admin can add, manipulate, update and delete all employee data in his organization. The admin can add new departments and delete them. The Admin can also add predefined pay grades for the employees. The required records can be easily viewed by the admin anytime time he wants in an instant. The payment of the employee is based on monthly basis. 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 management records efficient.