

Generation of Auto PayRoll Management System for Employees (E-PMS)

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Abstract - Now a days so many people are working in organization and also in companies. HR of the particular company or organizations provide salary to the Employee by Generating manual payslips. It would be very difficult to generate manual payslips. It would be more time consuming and they might get some errors while generating manual payslips and if the employees are increasing in company, so it should be complex to maintain their financial organization. To overcome this, we have enrolled a web application namely Employee Payroll Management System.

Key Words: Payslip, Employee, Payroll system, Organization, time-consuming.

1. INTRODUCTION

Employee Payroll Management System would be very helpful for any company organization. This web application will generate automatic pay slip, and also to allowed to maintain the details of the employee, department, position, allowances, deductions and payroll. Payroll will calculate the total amount based on their working days.

Calculating the employee's payroll in a manual method will make more time consumption, needs more man power and paper work will also be more. With the help of automatic payroll generator, we can reduce the time to calculate the salary of employee. Our module will over the issues like time consumption for generating the salary and payslip of employee. In our module attendance will be generated automatically. Once an employee comes for college he will enter the time stamp of in-time for his own system with a employee attendance module.

In present payroll system, most of the organization are following manual procedure in which Admin enters information in a record book. At the end of each month/session, Admin and Accountant department needs to calculate number of leaves, total amount of deduction for the month, for individual

member which is a time-consuming process and there is a chance of losing data or making the errors in the records or making a wrong calculation. The salary slip also takes an extended time to make and as this is often a tiresome and cumbersome process it takes tons of your time.

1.1 Limitations

- It also delays the salary distribution system. Sometimes the salary isn't generated within the stipulated period of time thus creating tons of hassle.
- Error is that the other major problem of the manual system and even with repeated cross check a number of the opposite errors surely persist which may cause tons of problems.
- Security issue.
- Data losing Chance is there in existing system.
- To unravel this problem the organization, need a perfect software which will lookout of these.

2. Proposed Work

The Payroll Management System is a project which manages and calculates the employee's payroll. This payroll project can compute the employee's payroll monthly and semi-monthly. Our proposed system is concentrated on reducing the time consumption, the paper work and makes easier to maintain the record with the help of centralized database system. The proposed system automates the existing system. The payroll management system itself a static configuration.

ADVANTAGES: -

- Easy payroll record keeping of employee.
- Minimize financial loss due to errors.
- Data consistency and backup.

- Overcome the old procedures.
- Easy information refreshing.

3. METHODOLOGY

In our Employee Payroll Management System contains two modules: -

ADMIN: - Admin is the only person one who can maintain Database and insert all the employee’s information. He/she has the authority to modify the database.

EMPLOYEE: - Employee can login with the information given by the admin. Employee don’t have to access to modify the database, only he can view the data and download their pay slips.

Some of the sub modules in our admin portal web application are: -

1. Admin Login page
2. Employee Login page
3. Employee list
4. Department list
5. Position list
6. Allowance list
7. Attendance list
8. Payroll list

Login page: - Where the admin was allowed to login to the portal using the unique username and password.

Home page: - This page contains all the details like employee list, department list, position list, allowance list, deduction list, attendance and payroll.

Employee List: - This module contains the details of the employee.

Department List: - This module will have a list of departments in organization.

Deduction List: - This module, will show the deductions of the employee.

Allowance List: - In this module admin can update the allowance detail for all the employees.

Position List: - In this module, positions of employee can be viewed such as Prof, Assoc. Prof, Asst. Prof, etc.

Attendance List: - This module contains the attendance details of employee for month. Which includes login time and logout time and number of leaves taken.

Payroll List: - This module will generate the payroll of employee based on attendance list.

For implementing the modules, we have use hypertext markup language (HTML), cascading stylesheets (CSS), JavaScript as a front end. we are using PHP to connect front end and backend. For database MYSQL is used. Xampp server is used to connect localhost.

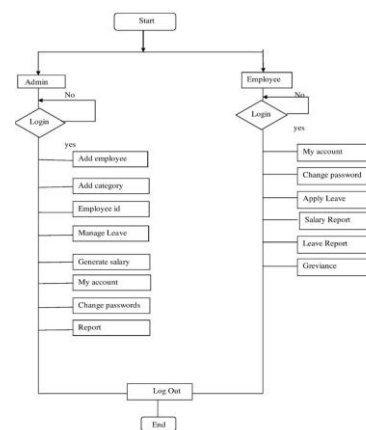


Figure 1: Flow diagram of Module

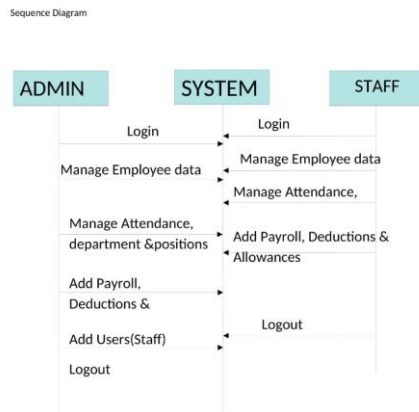


Figure 2: Sequence diagram of Module

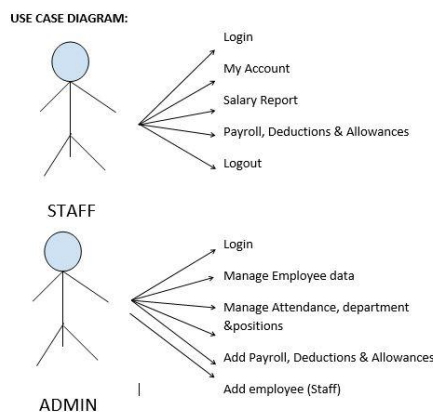


Figure 3: Use Case and Activity Diagram of Module.

4. CONCLUSIONS

This system will assist in generating auto pay slip for employee. This will also be considered as a paperless work, since we are not using any paper for calculation of salary. We can also calculate the salary in different basis like, full monthly, mid-monthly. It reduces the person power required and provides accurate information. Malpractice can be reduced. The data generated here is gathered together and it can be viewed and also be accessed at any time. Therefore, the info stored within the repository helps in taking decision by management. So it's better to possess an internet Based system. Users can get the required information without delay.

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