



## Attendance & Payroll Management System Using Web-Development Languages

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### ABSTRACT

To address the challenges thus far, an automated system has been created to do all of the organization's functions. With such a vast database and minimal duplicate issues, it will be simple to administer. Management must look Through all of the organization's numerous departmental records to identify the employee who works in each Department, evaluate his grade, and verify the employee's leaves for that month, as well as his earnings and Deductions, and all other deductions, such as his ID and savings. As a result, the administrator will be able to keep Track of all of these events with ease.

**Keywords:** Automation, Management, Admin.

### I. INTRODUCTION

An appointed commission, often known as a government or state agency, is a permanent or semi-permanent Institution within the government's machinery that is in charge of managing and administering specific Obligations, such as an intelligence agency. Legislation or executive authority can be used to create agencies. Government organizations, agencies, and private companies now have contract labourers who can be victims of frauds that are becoming more common in this generation. Attendance and Payroll management systems can assist and provide assistance for these types of frauds, and can be used to deduct this type of host. By importing an employee database, the designed payroll and attendance management system can be managed using a specific biometric system, eSSL X990. For instance, PHP, Bootstrap, and CSS were used to create the Attendance and Payroll System project. When it comes to the system, there are also other numerous features.

Employees can sign in to record the Time In and Time Out on their side, while administrators can watch the Monthly attendance report, CRUD Employees, Manage Overtime, schedules, deductions, and more on the admin Side. Employee ID must be provided from the employee's login in order to turn in attendance to the system. The Admin Panel can be used to retrieve the employee ID. The heart of each organization's Human Resource System is the payroll system. The solution must account for the computation of salary according to corporate policies and the numerous Deductions that must be made from the salary. Pay-slips and MIS reports must be generated. It is understandable that keeping thousands of strange papers, pay slips, payroll records, and salary details, among other things, is exhausting. Assume we have a payroll processing system that generates pay slips and payroll reports in a matter of seconds. The proposed system can assist in automating the payroll system by creating a custom payroll application tailored to the individual needs and interest.

### II. LITERATURE SURVEY

Attendance management is the act of managing employee record or their presence in a work setting to minimize loss due to employee downtime.

Attendance control has traditionally been approached using time-clocks, time-sheets, and time-tracking software, but attendance management goes beyond this to provide working environment which maximizes and motivates employee attendance. Recently it has become possible to collect attendance data automatically through using real-time location systems, which also allow for cross-linking between attendance data and performance.

Attendance management takes place in all educational campuses be they universities, colleges or schools.

A company's payroll is the list of employees of that company that are entitled to receive pay and the amounts that each should receive. Along with the amounts that each employee should receive for time worked or tasks performed, payroll can also refer to a company's records of payments that were previously made to employees, including salaries and wages, bonuses and withheld taxes or the company's department that calculates and pays out these amounts. One way that payroll can be handled is in-house. This means that a company handles all aspects of the payroll process on its own, including time-sheets, calculating wages, producing pay checks, sending the ACH (Automated Clearing House), for any direct deposits and remitting any tax payments necessary. Payroll can also be outsourced to a full-service payroll processing company.

### III. FEATURES OF PAYROLL & ATTENDANCE MANAGEMENT SYSTEM USING WEB DEVELOPMENT LANGAGES.

- Employee and Administrative side
- Add, Edit, Remove and View Employees
- Manage Attendance
- Overtime Works
- Advance Cash
- Manage Schedules
- Deductions

#### VI. FIGURE 1: FLOWCHART OF THE SYSTEM

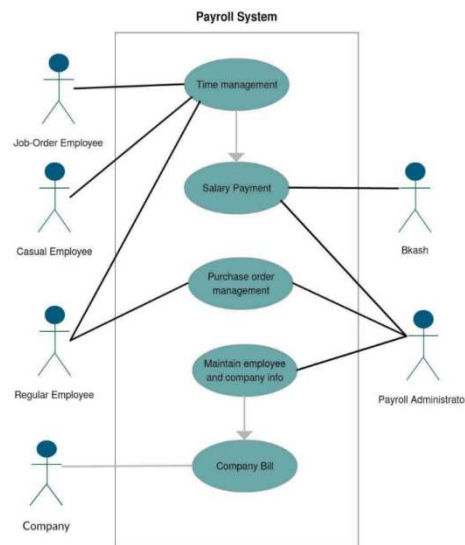


Figure 1: Flowchart of the system

### V. METHODOLOGY

Attendance management is the process of tracking staff attendance or presence in the workplace in order to prevent loss due to employee downtime. Traditional attendance control methods include time-clocks, time-sheets, and time-tracking software, but attendance management is far beyond that to establish a work environment that maximizes and encourages employee attendance. Real-time location systems have lately made it possible to automatically collect attendance data, allowing attendance data and performance to be linked. Attendance management is used on all educational campuses, including government organizations, agencies, universities, colleges and commercial firms.

#### A. Benefits of Attendance & Payroll Management System:

- **Eliminates buddy time punching** – An enrolled employee must punch in with a biometric attendance system. It is nearly impossible to "buddy clock" another employee, which is a kind of time fraud. Time theft is eliminated because a single co-worker's biometric traits cannot be reproduced.
- **No repetitive consumable costs** – Fobs and cards lose their value with time and must be replaced.
- **Trustworthy Data** – A biometric time and attendance system captures live and accurate data. You can evaluate the data at any moment and discover office issues. It allows you to quickly generate reports and alerts you to problems so that you can take immediate action.
- **Accurate Payroll records** – Employee's arrival and departure times are correctly recorded by a biometric system, allowing them to be paid appropriately. Most firms would benefit greatly from a reduction in overpayments.

• **Automated Workplace Rules** – A biometric system can be simply configured to administer office rules. A corporation that uses flex time, for example, will no longer have to manually track hours. The system takes care of everything for the employer and sends out reports to employees notifying them of their account balance.

• **Increased Productivity** – A biometric system reduces personnel overhead, saves employee time, and provides payroll with correct labour statistics by reducing and eventually eliminating the practices of manually documenting attendance and time records. As a result, business activities are more efficient.

• **Improves Employee Accountability** – A biometric time clock creates verifiable audit trails, resulting in a more accountable and responsible workforce management attendance and time system. Because this system can correctly identify an employee, he or she can be held liable for repeated tardiness, absenteeism, and unscheduled breaks, among other things. Biometrically tracked employees are more likely to be accountable and responsible.

## B. Applications of Attendance & Payroll Management System

- Schools
- Colleges
- Universities
- Agencies
- Private Companies

## VI. HARDWARE AND SOFTWARE REQUIREMENTS

### Hardware:

- Hardware - Pentium
- Speed - 1.1 GHz
- RAM - 1GB
- Hard Disk - 20 GB
- Floppy Drive - 1.44 MB
- Key Board - Standard Windows Keyboard
- Mouse - Two or Three Button Mouse
- Monitor - SVGA

### Software requirements

- Frontend Software: -
  - VISUAL STUDIO CODE
- Backend Software: -
  - Xampp

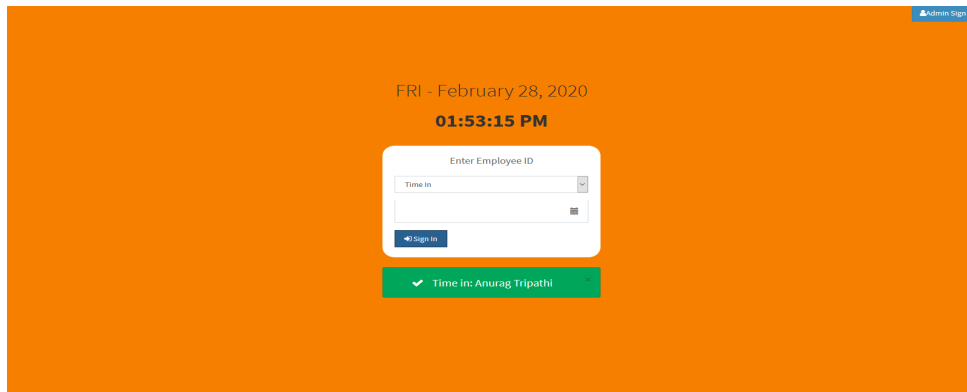
## VII. RESULTS AND DISCUSSION

Xampp – Start the Apache & My SQL from xampp control.

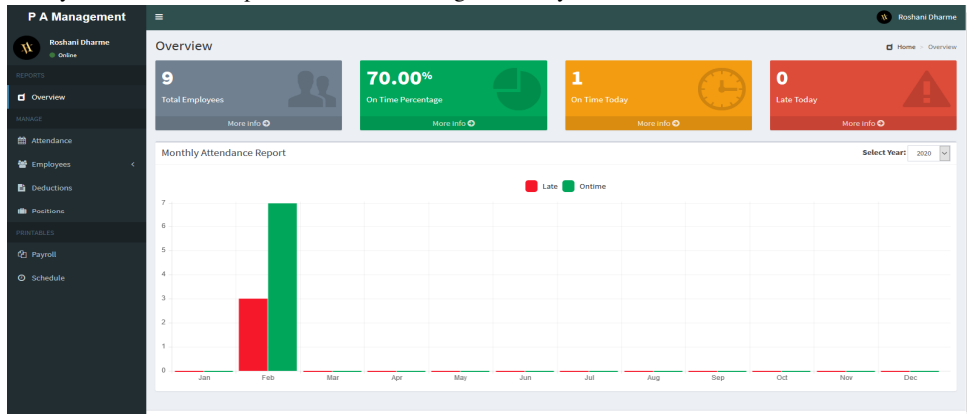


**Attendance & Payroll Management System:**

1. Open your browser and type <http://localhost/apssystem/> in url & presenter.
2. Select 'Time In' and enter your identification number and click 'sign-in'.



3. For admin sign in click at the right corner button i.e. 'admin sign-in'.
4. Enter your username and password. Click on 'sign-in' and you'll enter to the admin module control.



5. Click on 'attendance' to view all the entries of time in & time out of all employees.
6. To view how many employees are in the industry with their details and job schedule click on 'employee' from the main menu. Then a drop-down list will appear and click on 'employee list'.
7. To view how many employees have done overtime, click on 'employee' from the main menu. Then a drop-down list will appear and click on 'overtime'.
8. To view how many employees have given advance cash before assigning the project, click on 'employee' from the main menu. Then a drop-down list will appear and click on 'cash advance'.
9. To view your employee's time of work/schedule, click on 'employee' from the main menu. Then a drop-down list will appear and click on 'schedule'.
10. To view the deductions applied on the employee's salary click on 'deductions' present at the main menu.
11. To take a print of payroll, set the time period from which date you want the payroll and click on 'payroll' button.
12. To take a print of pay-slip, click on 'pay-slip' button at the right corner.
13. To print the schedule of all the employees click on 'print' button in 'schedule'.

A&A Enterprises		
Employee Schedule		
Employee Name	Employee ID	Schedule
Tripathi, Anurag	AEX087661923	11:00 AM - 08:00 PM
Ramtekar, Ashish	COH694128053	11:00 AM - 08:00 PM
Bhojar, Aishwarya	UGX187042365	11:00 AM - 08:00 PM
Jadhav, Purva	NLA913850246	11:00 AM - 08:00 PM
Sawarbandhe, Pranay	TED281943065	08:00 AM - 05:00 PM
Hiranwar, Krishna	CYB935012674	08:00 AM - 05:00 PM
Chawke, Rachana	DUJ827943156	09:00 AM - 06:00 PM
Wadalkar, Dipali	SVM986720153	09:00 AM - 06:00 PM
Zade, Abha	RTB758280314	10:00 AM - 07:00 PM

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## VIII. CONCLUSION

This system was designed with the idea of just having one user, the administrator. It is intended for use in small firms with fewer than 50 employees. According to the requirements, the admin can add, change, edit, and delete all employee data in his organization. Departments can be created and deleted by the administrator. The Administrator can however add employee pay grades. The administrator can examine the critical records at any Moment and in real time. The employee is paid at the end of each month. The administrator would be able to Enter after passing many validations and precise credentials. The main goal of this framework is to save time, make the system more cost-effective, and manage records more efficiently.

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## IX. ACKNOWLEDGMENT

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