WEB-BASED TIMEKEEPING AND PAYROLL SYSTEM USING

FINGERPRINT BIOMETRICS

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INTRODUCTION

The system is dependent on the internet for it to be used and the system and processes involved in accounting are not included in the features of the system. The researchers aimed to apply this system to any organization or business that is still using the traditional and manual way of timekeeping and payroll system. This study hopes to solve all the mentioned problems and make the traditional time Keeping and Payroll system easier for the user to deal with the employee?s attendance and payroll information. The system also adds loans and loan types, lets the administrator disseminate information and announcements to the employee. The ISO 25010 Software Quality Model is the assessment tool. It was used to examine the acceptability of the Web application. The system ensures compliance with the Labor Code of the Philippines for precise salary and deduction calculations. It uses fingerprint biometrics to read and record the daily time record of the employees. It will also eliminate the most common problem encountered in dealing with attendance and payroll of the workers. It can be accessed via the web/online. It is a Web-Based Timekeeping and Payroll System integrated with fingerprint.

METHOD

The system is built around the usage of PHP that holds and secures the database. It uses fingerprint biometrics to keep track of the attendance of the employees. Employees can view and edit their own profile details. The system will calculate the time and the salary of the employee. It will also allow employees to request for overtime and leave through their employee account, and the HR will just have to click whether it is approved or rejected. The developers will continue to adapt to the feedback and review of the program, enabling the constant maintenance of the improvements and adjustments within the system. Employees can apply for leave and evening service applications that are reviewed by the Super Admin or Admin. Super Admin / Admin can view the employees'.overtime record. Employees will be able to request time-off from schedule. Payslip printable file will be available for download and available for print. Employees can submit issue report and feedback to the manager. SuperAdmin / Admin will not be able. to access evening service functions. Superadmin / Admin must be registered and logged in on the system. Super Admin / Admin will be able to edit employee profile including salary and role, approve or deny leave requests. Super Admin can view, and sort employees based on different entries. Super admin can manually put employee manual time in and out. Superadmin can modify employee records, compute employee records and review loan applications. SuperAdmin can generate reports such as daily time record and employee payslip. Super admins will not have access to employee payroll count or position information. Super administrators will not be allowed to access the loan application system. Super Admin and Admin can broadcast announcements via the system. Super Admin can submit loan application at employees' request. Super admin can edit loan type and other entries. Superadmin can view employee daily time record and generate printable file. SuperAdmin can edit announcements on the system's Announcement page. Super administrator can edit announcement tabs on the Announcement. page. The system can be accessed by Super Admin by logging in to the login interface or by logging into the DTR page. It can also be accessed via the Payroll Register page. The study was based on the AGILE method applied to the development of a payroll system.

The system will be used to track employees' attendance and leave records. It will also be used for the management of super admins and employees. The project was evaluated by 25 IT professionals. The results from the prototype will serve as the fundamental basis of the program's structure and development. The program will be on the watch for maintenance and updates that would cater to the user's operations. It was developed using the AGile method. Web-based Time Keeping and Payroll System Using Biometrics aims to help employees clock in and clock out while having unlimited accesstomonitor. The primary tables are configured for primary tables formins to have control while leaving a few partitions for the employees to access. The researchers demonstrated to the evaluators how the system works and tested each functionality, and it was personally tested. The employee can only view certain information such as personal info, leave report, salary report, and attendance.

RESULTS

On the leftmost side of the screen is the sidebar containing buttons for navigation to other pages, and on the top right side of the screen is a blue-colored button that displays filter options when clicked. Below is the table consisting of the day of the work day, employee ID and name, the semester, start and end time, type of schedule, level, and the action to be done, which is in a yellow-colored button. The left most side of, the screen features a sidebar containing, buttons for Navigation to other, pages, while on the topmost right, a bell icon displays real-time notifications. The study, Web-based Timekeeping and Payroll System using FingerprintBiometrics is a system developed to accurately record the attendance of each employee. The system can calculate the exact computation of salary as well as the discounts and check their attendance online. The project has the following limitations: The system is not available in all countries. The study was conducted on the performance capability of the Web. The results of the study are published in the book, ?Web-based Payroll and Timekeeping System using fingerprint biometrics? The system?s security is highly effective. Time Behavior has the highest weighted mean of 3.68. Confidentiality, Integrity, Accountability, and Authenticity got a weighted. mean of 3.56. The user can manually add time-in and time-out information. The system can be viewed as a PDF, can be downloaded as a file, and can be used to print out data for later use. The users can search by date, leave, or stop a loan. The system was evaluated by 25 respondents, consisting of 10 IT Professionals, 10 current employees and 5 Human Resources staff. The system is only accessible through the Website and must have an internet connection to use it. It was proven that the study met the objectives of the study. The project has the following capabilities and Limitations. It has the capabilities of the project:. The Payroll Register lets one select the payroll period and prints the overall taxpayer?s tax bill. The Admin Dashboard displays the Daily Statistics of the overall data.

DISCUSSION

The system can now be implemented as Web-based Timekeeping and Payroll System using Fingerprint. The system was developed using Visual Studio Code, MySQL, Tailwind, and opensource web applications like HTML, CSS, JavaScript, and PHP. It was successfully tested as per the W3C web and browser standards. It has been given a rating of Highly Effective across all its criteria. It can be integrated into an Android Application. It is possible to use a plug-and-play fingerprint device for better acquiring of data.