
**WEB-BASED EMPLOYEE ATTENDANCE INFORMATION SYSTEM ON CV.
SYNTAX CORPORATION INDONESIA**

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ABSTRACT

Keywords: Information Systems; Employee Absenteeism; Web-Based; CV. Syntax Corporation Indonesia.	This study discusses the implementation of a Web-Based Employee Attendance Information System on a CV. Syntax Corporation Indonesia. The application of information technology in employee attendance management has become an increasingly urgent need in various organizations, including CV companies. Syntax Corporation Indonesia faces the challenge of efficient and accurate attendance management. The Information System developed in this study is designed to facilitate recording and monitoring employee attendance and allow real-time data access through an intuitive web interface. This research includes needs analysis, system design, software development, and practical implementation of the Employee Attendance Information System. The development method used is a software development life cycle model that includes requirements analysis, design, development, testing, and implementation. The results of this study show that the Web-Based Employee Attendance Information System implemented in CV. Syntax Corporation Indonesia has improved the efficiency and accuracy of attendance management. Employees can easily record their attendance through the web interface, while management can access real-time attendance data and generate relevant reports. In addition, implementing this Information System also allows for more effective attendance monitoring, detection of unauthorized attendance, and taking appropriate actions per company regulations.
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**Introduction**

In the current era of technological development, information is needed in human life, for example, to add knowledge, knowledge, and insight and help or facilitate daily human work. Computers are not the only technological tools; computers have brought many changes to technological advances in Indonesia and even the world. Computers are the beginning of technological progress (Sanjeev & Surya, 2016).

The development of information and communication technology significantly affects today's civilization, allowing work in an organization to be completed quickly, accurately, and efficiently. One example is the employee attendance collection system; in some companies, the employee attendance collection system is still manual or uses attendance cards (Herdianto & Wahyuni, 2021). If we follow the development of technology that has been increasingly advanced or developed, many examples of technological developments will be encountered; one example of technological development is the Website (Wijoyo, 2020). The website is static if the content of website information is fixed, rarely changes, and the content is in the same direction only from

the website owner. The website is dynamic if the content of the information is constantly changing, and the data content is two-way interactive coming from the owner and user of the Website (Warsito, Yusup, & Makaram, 2015).

Information technology plays a vital role in improving the quality of an agency; its use not only as an automation process for access to information but also creates accuracy, speed, and completeness of an integrated system so that organizational process technology will be relevant, practical, measurable, and flexible (Aryanti & Karmila, 2022).

At present, the progress of information systems is advancing rapidly. As we know, information systems consist of two words: techniques and information. The system is a collection of elements that integrate to achieve specific goals. At the same time, information is data processed into a more meaningful form for its recipients and helps make current or future decisions (Muhammad et al., 2017).

As a result of the advancement of these systems, especially in the world of informatics, an increasing amount of software is being created to overcome information problems. Information plays a vital role in life, so what is needed should be obtained quickly, accurately, and efficiently (Agustian, Kusyadi, & Jaelani, n.d.).

Advances in information technology make the processing and managing of data and information more optimal. Using computers and the science of informatics programming, humans can create application programs needed to solve problems and use them to help with a job. There are still some companies in Cirebon that still use manual or handwritten employee attendance. CV. Syntax Corporation Indonesia is one of the companies that, until now, still uses attendance media manually or by hand. With handwritten media in managing attendance, the stored data is easily lost and can be manipulated easily by certain parties. With the need for more efficiency in carrying out attendance activities, a web-based application program connected to a network and can be run or operated easily is needed to facilitate attendance activities on a CV. Syntax Corporation Indonesia.

Attendance is an activity to collect attendance or absenteeism data. Attendance is commonly used in educational institutions or other institutions. An activity requiring information about participants' absence will undoubtedly do attendance. This also happens in the teaching and learning process at school, meaning that absence is someone's absence at work. Absenteeism does not only apply to employees or employees; absenteeism also applies to students or school students (Pertiwi et al., 2023).

According to (Rota, Bosetti, Boccia, Boffetta, and La Vecchia, 2014), Attendance is information that contains the number of attendance carried out every day during working hours. Data collection on teacher and employee attendance is one of the critical factors in human resource management (HR). In-depth and detailed information about the presence of teachers and employees can show a person's work performance or the progress of an agency or school.

The research conducted (Firman, 2020) on Web-Based Attendance System Design at PTI UNIMUDA Sorong Study Program is Research that aims to make a Web-Based Attendance System Design at PTI FKIP UNIMUDA Sorong Study Program. This type of

research uses a research and development approach (Research and Development) and a waterfall design model. The analysis was carried out at the PTI FKIP UNIMUDA Sorong Study Program, and the research time ranged from May 2019 to October 2019. This study uses 5 data analysis techniques: developing instruments, determining research samples, collecting data, conducting data analysis, and data interpretation. Calculation of the average value and percentage value of the model using the Likert Scale method. The product resulting from this research is a Web-Based Attendance System.

Meanwhile, according to (Roosdianto, Sari, & Satriansyah, 2021), attendance and recap are critical activities in employee payroll. The calculation of absences calculated by the number of working days makes this process necessary for supervision in recording attendance data and its recording later. CV Cahaya Toner is a private company engaged in retail toner and printers, established at the end of 2014. The system used in the employee attendance process on CV Cahaya Toner is still manual, namely by recording the attendance book and putting a signature (Arianta, Widodo, & Sutanto, 2012). This impacts the effectiveness and efficiency of data collection, data search, and calculating attendance recaps, which takes time. Hence, the risk of errors in losing attendance data is even greater. For this reason, an application is needed that is used for attendance and, at the same time, monitoring the attendance recap. The research method used is development with a waterfall model. This web-based employee attendance application can provide convenience in the attendance process, data search, and attendance recap calculation, as well as reduce the risk of loss and error in recording attendance data on CV Cahaya Toner.

According to (Subiantoro & Sardiarinto, 2018), employee attendance is an essential factor for an agency or company to achieve goals; this is related to discipline and impacts each employee's performance. Therefore, there is a need for unique data collection to record attendance and absenteeism so that work activities can be recorded well and in real-time. Many ways can be done to achieve a sound attendance information system, one of which is using computer technology, where its application is a website-based attendance application. At the Purwodadi Sub-District Office, the method used in the attendance process is still manual, using daily attendance books, which impact the efficiency and effectiveness of data collection, data search, and data recap calculations, which require a relatively long time. In addition, the risk of errors and loss of attendance data is even greater. Based on the above problems, a Personnel Attendance Information System was created at the Purwodadi District Office. Research methods are used in data collection, including research methods, interviews, and literature. At the same time, software development uses waterfall, which includes needs analysis, design, coding, testing, and implementation. The production of a web-based employee attendance application can provide convenience in the attendance process, data search, and calculation of attendance recap, as well as minimize loss and errors in recording attendance data at the Purwodadi District Office.

According to Ihsan Verdian's research in 2015 in a journal entitled Student Attendance System Application Using Fingerprints at Universitas Putra Indonesia

"YPTK" Padang with the System Development Life Cycle (SDLC) Method which aims to reduce or even eliminate the manipulation of attendance data by students. This is because fingerprints are one of the unique parts of humans; one student's fingerprint will be different from another. Student attendance recording applications using fingerprints can improve the accuracy of attendance data because student fingerprints are impossible to entrust to other students. The research journal of Heroe Santoso and Ahmad Wilda Yulianto 2017 entitled Analysis and Design of Web-Based Student Attendance Systems and SMS Gateway using the Prototype Method aims to contribute to the world of education in the form of managing student attendance electronically to increase the efficiency and effectiveness of data processing and minimize errors made by system users.

Based on the description above, the author aims to create a web-based attendance application program to connect to the internet or intranet. Therefore, the author makes this Final Project writing material titled "Web-Based Employee Attendance Information System on CV. Syntax Corporation Indonesia Cirebon." The benefit of research on this web-based employee attendance information system is to determine the extent of this application's ability to assist employees in taking attendance and avoiding fraud. The office can easily control all employee attendance.

Research Methods

In this study, the author analyzed the ongoing employee attendance system. This is done to produce accurate data for employees. This inaccurate result is done because it still uses a conventional system and is not done consistently, so no data results have been owned since long ago. Explanation of the type of research used, which in this case is research and development with qualitative and quantitative approaches. The study population is all employees in CV. Syntax Corporation Indonesia, with sampling, includes several randomly selected employees.

Results and Discussion

In this study, researchers developed a Web-Based Employee Attendance Information System implemented in CV. Syntax Corporation Indonesia. The development of this system involves the design, development, and implementation stages. During the development process, we adopted various web-based technologies that allow employees to record their attendance online and management to access attendance data in real time.

Testing of the system's functionality that has been developed shows that this system successfully records employee attendance accurately. Employees can easily access the system through a user-friendly web interface to record their daily attendance. In addition, management can monitor employee attendance directly and generate reports automatically, facilitating faster and more accurate decision-making.

Through distributing questionnaires to employees who use the system, we also collect data on their perception of the system. The questionnaire results showed high

employee satisfaction with this web-based attendance information system. Most employees find this system to make it easier to record attendance, reduce errors, and provide convenience in accessing their attendance records.

Implementation of Web-Based Employee Attendance Information System in CV. Syntax Corporation Indonesia provides several significant benefits. First, the system increases efficiency in attendance recording, reducing the need for error-prone manual processes. Management can better optimize resource allocation and employee schedules with more accurate attendance recording.

Second, the system gives management real-time access to attendance data, allowing them to deal with no-shows or other attendance issues faster. It also simplifies the payroll process and employee performance management.

In addition, the system supports transparency in attendance management, allowing employees to view their attendance records. This can provide a positive encouragement for employees to comply with company attendance regulations.

The questionnaire results showed that employees were generally satisfied with the system, which indicates an excellent reception of this change among employees. This positive reaction reinforces the view that this system is a valuable investment for companies in improving attendance management.

However, it is essential to note that implementing this system also requires a change in corporate culture and a better understanding of the use of information technology among employees. Management needs to continue supporting training and socialization related to this system to maximize its use.

Conclusion

Based on the research and discussion results in the previous chapters, several things can be concluded: 1). In designing employee attendance systems in CV. Syntax Corporation Indonesia can computerize to improve work ethic and work efficiency on CVs. Syntax Corporation Indonesia. 2). This employee attendance system can minimize data loss and prevent errors and corruption. 3). Design and process employee attendance data in the CV. Syntax Corporation Indonesia can help with the process of correcting errors in data input on CV. Syntax Corporation Indonesia.

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