Automated Salary Slip Generation and Distribution System using CouchCMS and mPDF

Shivani Kherde
Department of Computer Science and Engineering
Tulsiramji Gaikwad Patil College of Engineering, Nagpur, Maharashtra, India
shivanikherde52@gmail.com

Abstract: *In today's digital era, automation of administrative tasks has become essential for improving organizational efficiency. Payroll management is a critical task that requires accuracy, security, and timely processing. This paper presents the design and development of an Automated Salary Slip Generation and Distribution System using CouchCMS and mPDF. The proposed system automates employee salary slip creation, reduces manual effort, and ensures error-free payroll processing. CouchCMS is used for managing employee and salary data efficiently, while mPDF is utilized to generate professional salary slips in PDF format. The system provides secure access, easy updates, and digital distribution of salary slips, making it suitable for small and medium-sized organizations.*

Keywords: CouchCMS

I. INTRODUCTION

Payroll processing is a vital administrative function in every organization. Traditional salary slip generation methods involve manual calculations and paperwork, which increase the chances of errors and consume valuable time. With the advancement of web technologies, automated payroll systems have become essential. This project focuses on developing a web-based automated salary slip generation system that simplifies payroll operations by integrating CouchCMS for data management and mPDF for PDF generation.

Existing System

Many organizations still use spreadsheets or manual methods for salary slip generation. These systems are time-consuming, prone to errors, lack centralized data storage, and offer limited security.

System Architecture

The proposed system follows a web-based client-server architecture. CouchCMS manages employee and salary data, PHP handles backend processing, MySQL stores records, and mPDF generates salary slips in PDF format. Administrators can securely manage payroll details and generate salary slips automatically.

Applications

The system can be applied in educational institutions, offices, small and medium enterprises, and organizations requiring efficient payroll management with digital documentation.

II. CONCLUSION

The Automated Salary Slip Generation and Distribution System offers an efficient, secure, and reliable solution for payroll management. Automation using CouchCMS and mPDF reduces errors, saves time, and supports paperless salary slip distribution. The system is scalable and suitable for modern organizations.