EMPLOYEE PAYROLL SYSTEM

Project Report

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Batch Code: ANP-D2405

Introduction

The Employee Payroll Management System is a software-based solution developed to automate and streamline payroll operations within an organization. It eliminates the complexities of manual payroll processing by providing a centralized and structured platform. The system manages employee data, attendance, salary components, bonuses, deductions, and generates accurate payroll reports.

Objective

• Automate the employee payroll cycle

• Ensure accuracy in salary calculation

• Centralize employee records

• Simplify attendance and leave management

• Generate payroll reports

• Reduce HR workload and improve productivity

Project Category

Database Management / Application Development

Frontend: Core Java (Swing/JavaFX)

Backend: MySQL

Connectivity: JDBC

Modules Description

Employee Management, Attendance Management, Salary Management, Bonus & Deduction, Payroll Processing, User/Admin Module, Reports & Analytics

Database Design

The database includes tables such as EMPLOYEE, ATTENDANCE, SALARY, BONUS_DEDUCTION, PAYROLL, REPORTS, and USER_ADMIN. The design follows normalization principles to ensure data integrity.

Platform Used

Hardware: Intel i3+, 4GB RAM

Software: JDK 8+, MySQL, IDE (Eclipse/IntelliJ/NetBeans), Windows OS

Future Scope

Integration with biometric systems, cloud deployment, mobile applications, tax automation, advanced analytics

Bibliography

Oracle Java Documentation

MySQL Documentation

JDBC API Guide

DBMS Reference Books