

System Design Document

1. System Overview

The system consists of modules for employee data management, payroll computation, batch processing, and reporting.

2. File Schema

Employee File: EmpID, Name, Department, BaseSalary, Allowances, Deductions Payroll File: EmpID, Month, GrossPay, NetPay, Tax, DateProcessed

3. Data Flow Diagram

Input (Employee Details) → Process (Payroll Calculation) → Output (Pay Slip, Reports)

4. Access Mechanism

Files will be accessed sequentially and randomly depending on the operation. Batch mode processes all employees at once, while online mode computes individual payroll on request.