

# **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.