**Software Requirements Specification (SRS)**

**Batch Payroll Application**

**1. Introduction**

**1.1 Purpose**

The Batch Payroll system manages employee payments accurately and on time based on their work hours, salaries, commissions, and deductions.

**1.2 Scope**

The system fetches employee records, calculates salaries (gross pay, deductions, net pay), generates payslips, and processes payment transfers.

**1.3 Definitions, Acronyms, and Abbreviations**

* **Payroll:** Process of calculating and distributing employee payments
* **Paymaster:** Person responsible for initiating the payroll process
* **Gross Pay:** Total earnings before deductions
* **Net Pay:** Salary after deductions

**1.4 References**

Company payroll policies and banking transaction protocols.

**1.5 Overview**

The system runs batch payroll daily or as scheduled and updates payment status accordingly.

**2. Overall Description**

**2.1 Product Perspective**

A standalone payroll management system interacting with the employee database and bank system.

**2.2 Product Functions**

* Fetch employee records
* Calculate gross pay, deductions, and net pay
* Generate payslips
* Transfer salaries to the bank
* Update payment status

**2.3 User Characteristics**

The paymaster (HR or finance staff) who initiates the payroll process.

**2.4 Constraints**

* The system must comply with banking protocols
* Employee data must be accurate and up-to-date

**2.5 Assumptions and Dependencies**

* Employee database is current and accurate
* Bank system can receive and process payment instructions

**3. Specific Requirements**

**3.1 Functional Requirements**

* Start batch payroll and fetch employee data
* Calculate gross pay, deductions, and net pay
* Generate payslips
* Transfer salaries to the bank
* Receive and confirm payment status
* Notify paymaster on batch completion

**3.2 System Features**

* Batch processing support
* Data validation before processing payments
* Payment status reporting

**3.3 Interface Requirements**

* Interface with employee database
* Interface with banking system
* User interface for paymaster actions

**4. Non-Functional Requirements**

**4.1 Performance Requirements**

Complete the batch payroll within a specified timeframe to ensure timely payments.

**4.2 Security Requirements**

* Secure access control to payroll data
* Encrypted communication with the bank system

**4.3 Reliability**

Ensure data integrity and accurate payment processing.

**4.4 Maintainability**

Design for easy updates and future integration with new banking protocols.

**5. Other Supporting Information**

**5.1 Appendices**

* Glossary of payroll terms
* Sample payslip format

**5.2 Index**

Index of key terms and sections.