

# Software Requirements Specification (SRS)

## 1. Introduction

The Employee Payroll Processing and Management System is designed to automate salary computation, deductions, bonuses, and reporting using file-based data handling. It focuses on batch and real-time payroll operations without a database.

## 2. Objectives

To create an efficient payroll management system that stores employee records, processes payroll in batch or real-time, and generates detailed salary reports.

## 3. Scope

The system handles employee details, payroll computation, tax calculations, deductions, and performance comparison between batch and online processing.

## 4. Functional Requirements

- Add, update, delete, and search employee records
- Compute salaries and generate pay slips
- Perform batch payroll processing
- Create backups and recovery files automatically
- Generate reports and summaries

## 5. Non-Functional Requirements

- Security: Ensure data integrity using file locking and backups
- Performance: Optimize for efficient file I/O operations
- Reliability: Include recovery mechanism to restore lost data
- Usability: User-friendly interface and clear instructions