
Project Plan for Payroll Management System

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Introduction

The project involves developing a **Payroll Management System (PMS)** aimed at automating salary calculations, tax deductions, and generating payslips. The goal is to streamline payroll operations for small to medium-sized enterprises (SMEs).

Deliverables of the Project

- Technical documentation including design specifications
- A web-based/desktop application for payroll processing
- Database for employee records, salary calculations, and tax data
- Payslip generation and distribution

Process Model

The project will follow the **Agile** process model, allowing incremental development, iterative progress reviews, and regular feedback.

Standards, Guidelines, Procedures

Adherence to IEEE standards for software requirements specifications and coding guidelines will be maintained throughout the project.

Management Activities

Regular project meetings will be conducted to monitor progress, address issues, and ensure alignment with project goals. Milestones will be set for key deliverables.

Risks

- Data breaches and security vulnerabilities
- Inaccurate salary/tax calculations due to improper inputs
- Integration issues with existing HR/finance systems

Methods and Techniques

- **Development Frameworks:** React, Node.js for web application development.
- **Database:** MySQL for storing employee and payroll data.

Quality Criteria/Assurance

- Code reviews
- Automated testing for functionality and performance

Work Packages

- **WP1:** Requirements gathering and analysis
- **WP2:** System design and architecture
- **WP3:** Development of payroll calculation module
- **WP4:** Integration with HR/financial databases
- **WP5:** Testing and validation
- **WP6:** Deployment and user training

Resources

- Development tools: VSCode, Git
- Hardware: Standard desktop or laptop
- Software: JavaScript frameworks, Database tools

Budget and Schedule

A preliminary budget estimate includes costs for personnel, software licenses, and hardware. The project is expected to take six months from initiation to deployment.

Change Control Process

Any changes to project scope or deliverables must be documented and approved through a formal change request process involving key stakeholders.

Delivery Means

- The system will be deployed on a web server or desktop platform.
- Comprehensive documentation and user guides will be provided.

Gantt Chart

