

# **SOFTWARE REQUIREMENTS SPECIFICATION**

## **PAYROLL MANAGEMENT SYSTEM**

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# **1. Introduction**

Payroll system is the vital system of an organization. The solution has to take care of the calculation of salary as per rules of the company and various deductions to be done from the salary including tax, provident fund deductions. And need to add allowances if any. It has to generate pay-slip, which can be viewed by employees and should also manage employee details.

As organizations are tired of managing thousand of odd papers, pay slips, payroll reports, and salary details, employee reports and so on. We can generate a payroll processing system which will generate our pay slips and payroll reports within seconds. We can help others with automated payroll system by developing a customized payroll application that suits your specific requirements.

## **1.1 Purpose**

Main aim of developing Employee Payroll Management system is to provide an easy way to manage all employee details and also to generate and manage payslip. It should also be able to track all leaves of employees and generate payslip accordingly. While generating payslip all deductions and allowances should also be considered. The system helps in generating employee details and payslip easily than the conventional system.

## **1.2 Scope**

This Application works in multiple systems with files storing employee details.

## **1.3 Benefits**

- To improve the efficiency.
- Quickly find out information of an employee details.
- To provide easy and faster access information.
- To provide user friendly environment.

## **1.4 Project Overview**

The following subsections provide the complete overview of the software specifications requirements documentation for the Employee Payroll Management. The entire SRS is documented in view of User and the following sub sections are arranged to give a complete outlook of the software, its perspective, features, system requirements and users know how it is.

## **2. Overall description**

### **2.1 Product perspective**

This system is developed to manage employee details and generate their payslip. It uses files in storing the details. It provides good and easy user interface to both new as well as experienced user of the computer.

### **2.2 Product functions**

#### **2.2.1 Administrator module**

- Registration
- Login, Logout
- Add employees
- Delete employees
- Edit employees
- Search employees
- Leave report
- View their details
- Change password
- Add admin
- Go to login page

#### **2.2.2 Employee module**

- Registration
- Login, Logout
- View profile
- View payslip

- Change password
- Go to login page

## **2.3 User Characteristics**

### **2.3.1 End Users**

- No specific knowledge or skills are required from the end user.
- End user should have basic idea about computer operations.

### **2.3.2 Administrator**

- Administrator must be having good knowledge of database management system.
- Administrator have the privilege to login and logout from the application using username and password.
- He/she can add new employees, delete already existing employees, edit a particular employee detail and can view their profile.
- They can also view their profile details.
- Admin can also manage leave report of employees.
- Admin is also having the privilege to change password and add another admin.
- Admin should have a knowledge on already existing details of employees in file.
- Administrator must be capable to manage user rights.

### **2.3.3 Employee**

- Employees can login and logout of the application using the registered username and password.
- They can also view their profile details and can view the payslip generated.
- They are also having the privilege to change password.

## **2.4 Assumptions and Dependencies**

### **Assumptions:**

- The code should be free with compilation errors/syntax errors.
- The product must have an interface which is simple enough to understand.

**Dependencies:**

- All necessary hardware and software are available for implementing and use of the tool.
- The proposed system would be designed, developed and implemented based on the software requirements specifications document.
- End users should have basic knowledge of computer.

### **3 Specific requirements**

#### **3.1 External interface requirements**

##### **3.1.1 User interfaces**

The user interface is simple and easy to interact.

##### **3.1.2 Hardware interfaces**

- Memory minimum of 1GB RAM
- Hard disk of 40 GB
- Monitor
- Mouse
- Keyboard
- Printer

##### **3.1.3 Software interfaces**

- |                        |        |
|------------------------|--------|
| • Operating System     | Ubuntu |
| • Programming language | C      |
| • Database             | Files  |

#### **3.2 Functional requirements**

##### **3.2.1 Admin:**

This module helps in employee management. Can add employee details and manage them.

### **3.2.2 Employee:**

This module helps in viewing employee details and payslip.

## **3.3 Performance requirements**

- The overall system should be fast and error free.
- It should have built in error checking and correction facilities.
- The system should be able to handle large amount of data comfortably.

## **3.4 Design constraints**

- The system runs under Ubuntu.
- The application is developed by C programming using structure and file management.

## **3.5 Attributes**

### **3.5.1 Reliability**

In order to ensure reliability, this system is being designed using software that is established to be stable and easy to use.

### **3.5.2 Availability**

This system is designed to run 24/7 and be readily available to the user.

### **3.5.3 Security**

The access to the software is given only to valid operators. We need a specific ID and password to get access to the software.