# **Software Requirements Specifications**

## <EMPLOYEE MANAGEWMENT SYSTEM>

	Project Manager's Signature
Submission Date:	
Project Team:	
Project Manager:	
LATEITIAI AUVISOI.	
External Advisor:	
Internal Advisor:	
Project Code:	

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# **Definition of Terms, Acronyms and Abbreviations**

This section should provide the definitions of all terms, acronyms, and abbreviations required to interpret the terms used in the document properly.

Term	Description Employee management
EMS	Employee management

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## 1. Introduction

Employee management System will be used to manage data of employees such as their personal information, their dedication to work and their salary information. By using this software any organization can easily manage their employees.

### 1.1 Purpose of Document

The purpose of this work is to give a complete approach to personnel information management. This will be accomplished by deploying an HR management system that will result a significant shift in the way employee data is managed.

This system's purposes include the following:

- Design of an management system to meet needs such as adding and deleting employees, viewing and printing employee data, and updating employee information.
- 2. An easy-to-use interface that will let user interact with the system

### 1.2 Project Overview

Employee management system basically made to manage employee's personal information such as add, search,edit,delete or check salary of the employee. This software made for the manager, admin and HOD of the organization. This project using dynamic memory allocations and data structures and programming language for this system is c++.

### 1.3 Scope

As discussed earlier employee management is made for admin, managers and HOD so it contains report section for HOD who can check tiop working employes and salaries of the employees and mangers and admins can ad, delete,edit or search the data of employees but this do not have attendance management system

## 2 Overall System Description

#### 2.1 User characteristics

This employee management system has mainly three users admin, managers, and head of the department. Therefore, this system has three major classes for these users and another class for login system.

### 2.2 Operating environment

This software is designed for windows operating system.

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### 2.3 System constraints

This system will only work in the windows operating system and the organization will itself assign rank and salaries to their employees. This system has no off the shelf component but can be added. This system is made for professionals so training is required for its use.

Identify any constraints or limitations on the system. Constraints may include the following:

## 3 External Interface Requirements

This section is intended to specify any requirements that ensure that the new system will connect properly to external components. Place a context diagram showing the external interfaces at a high level of abstraction.

#### 3.3 Hardware Interfaces

Describe the characteristics of each interface between the software and hardware components of the system. This description might include the supported device types, the nature of the data and control interactions between the software and the hardware.

#### 3.4 Software Interfaces

Describe the connections between this system and other external software components (identified by name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify and describe the purpose of the data items or messages exchanged among the software components. Describe the services needed and the nature of the inter-component communications. Identify data that will be shared across software components.

#### 3.5 Communications Interfaces

Describe the requirements associated with any communication functions the system will use, including e-mail, web browser, network communications standards or protocols, electronic forms, and so on. Define any pertinent message formatting. Specify communication security or encryption issues, data transfer rates, and synchronization mechanisms.

# 4 Functional Requirements

### 4.1 Login frame

This is the login frame of this system where user have to enter the requiredcredentials to have access for the main dashboard.

<u></u> Login		<u> (100)</u>		×
Username				
Password	je g	$\sim_{\epsilon}$		
Login	Cancel		y	

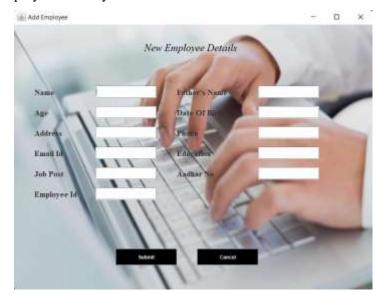
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### 1. Main Dashboard -

After login in, user is directed to the main dashboard of this system where user can perform various operations like adding an employee, deleting an employee



 Add employee – Here user have to enter all the required credentials to add a new employee to the System.



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2. **Remove employee** – User has to enter the employee id in order to delete hisinformation from the system.



Fig. 4

3. **View and update employee** – In order to view and update employeeinformation, the user have to enter employee

ID.



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# **Non-functional Requirements**

### 4.1 Performance Requirements

This system is made in data structuers by using linked list using c++. There are high speed algorithm and less memory is consumed. Therefore it is best in performance.

### 4.2Safety Requirements

If anyone wants to use this system then he used to enter a specific password and username.therefore, security concern of this is cleared by this function.

#### 4.3 User Documentation

List the user documentation components that will be delivered along with the software, such as user manuals, online help, and tutorials.

# 5 Assumptions and Dependencies

This software will help to reduce manual effort and time. It also provides security. The proposed system is

user-friendly and every aspects of this system can be easily understood and the user can operate the system

easily. We have planned to develop this software as independent in nature and cost effective. As the saying

goes "There is always scope for the improvement in every system", even this system could be improved at

various stages.

The enhancements are
☐ Payment through Net banking and Debit/Credit card facility.
Dayment through Jazzesch or assynaisa

☐ Payment through Jazzcash or easypaisa. Alerts through SMS/Email and fax etc.

Customer	Comments	and Rating	on Products.
CHSIOHICL	COULTER	and Nating	OILLIOUIGES.

Distributed environment in admin section like admin could be manager or employee or accountant.

☐ We can add supplier portion in this project.

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