

# **Software Requirements Specification**

**For**

**HR-2-Employee Record, Joining, Leaving,  
Foreign Service, e-Service Book**

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# 1. Introduction

## 1.1 Purpose

The aim of the document is to gather and analyse and give an in-depth insight of the HR-2-Employee Record, Joining, Leaving, Foreign Service, e-Service Book of IIITDM Jabalpur. It will define the users and functionality of the Software.

Also, we shall predict and sort out how we hope this product will be used in order to gain a better understanding of the Software, outline concepts that may be developed later, and document ideas that are being considered, but may be discarded as the product develops. This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our client, team and the audience sees the product and its functionality. Nonetheless, it helps any designer and developer to assist in Software Development Lifecycle (SDLC) processes.

## 1.2 Product Scope

The Software System will be an Online Web Services Portal for HR-2-Employee Record, Joining, Leaving, Foreign Service, e-Service Book to make various services and activities related to HR-2-Employee Record, Joining, Leaving, Foreign Service, e-Service Books easier with various tools. Accessing the information and performing certain activities will be easy using the Software.

## 1.3 References

IEEE Standard 830-1998. IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.

## 2. Overall Description

### 2.1 Product Perspective

HR-2-Employee Record, Joining, Leaving, Foreign Service, e-Service Books System is itself a subsystem of the College System. Software will take input from the College Database of Faculty. There are specifically 2 Actors in the System, Employee and HR Manager, HR manager will approve the details and fill it in the database.

### 2.2 Product Functions

HR-2-Employee Record, Joining, Leaving, Foreign Service, e-Service Books System will provide a number a functions:

#### 2.2.1 Allow HR manager to verify details of faculty

- Employee will request the changes to the HR manager.
- The HR Manager will verify and approve the changes.
- Then Fill/Update the changes in the Database

#### 2.2.2 Employee can fill and update details

- **Personal Information** like name, employee code, department etc.
- **Employee Family details** :it contains employee's family details.
- **Employee Initial Joining Information:** Here employees will enter their initial joining details like Office,Joining Date, Appointment Date,mode of recruitment,Initial designation,Employee Type salary Details etc.
- **Employee Education details:** Employees will enter the details of their education
- **Employee training details like :**
  - Place India/Abroad
  - Training Type
  - Training Name
  - Institute Name
  - Date From & to
  - Sponsorship details
- **Service History details**  
Users will enter service history details like establishment details and financial details.
- **Award Details**  
Users will enter award details of employee

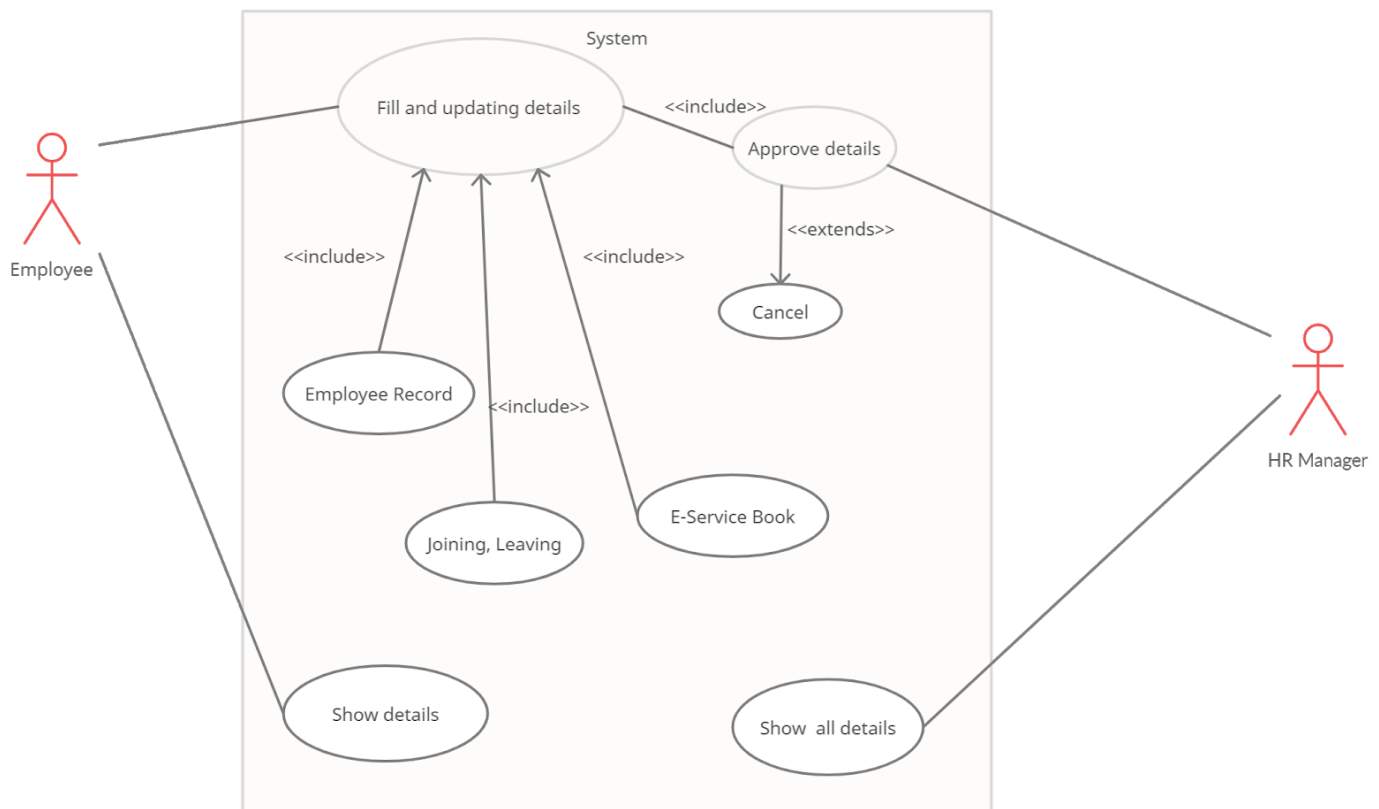
## 2.3 User Classes and Characteristics

**HR Manager(Admin):** Human Resource Manager is the person who will act as a bridge between the Employee and their data.

**Employee:** All the employees of the IIITDM Jabalpur.

-This is made to be used by the Employees of IIITDM Jabalpur and the HR Manager to maintain the detail of all the Employees, and to give them the functionality to update and view all the details.

### Use case diagram



## 2.4 Assumptions and Dependencies

It is assumed that the platform on which the software is operating is working correctly, such as Network connectivity, Operating system, as well as Hardware components such as Hard disk, RAM, processor, network interface card, are functioning as per requirements. Also, it is assumed that the required technology to run the software is present in the system.

## **3. External Interface Requirements**

### **3.1 User Interfaces**

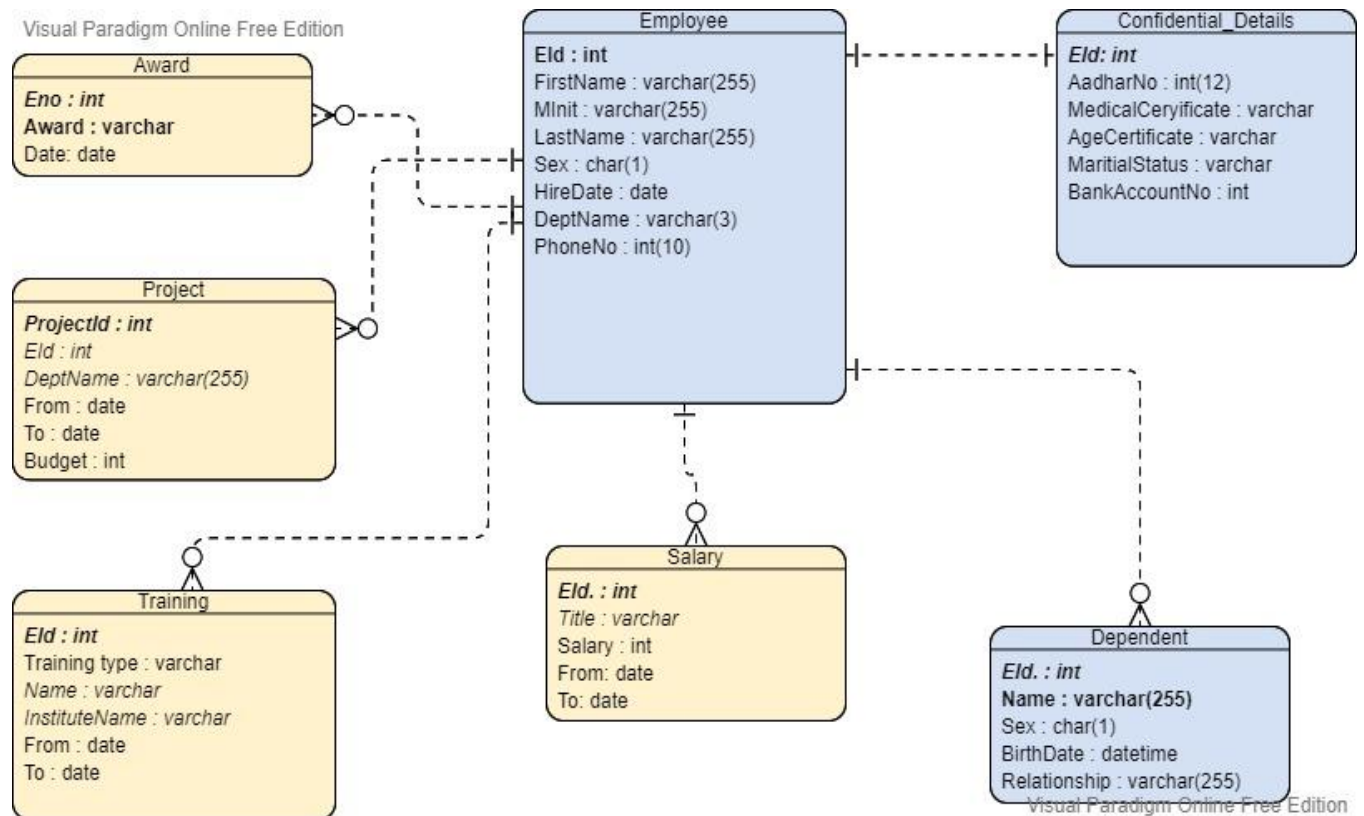
UI not designed yet.

### **3.2 Software Interfaces**

SI not designed yet.

## 4. System Features (Functional Requirements)

### Relational Database Diagram:



### 4.1 System Feature 1

<b>Use Case ID</b>	UC#1
<b>Use Case Name</b>	Employee records
<b>Description</b>	All details of employee can be fetched from online portal
<b>Actor</b>	HR Manager and Employee
<b>Precondition</b>	Person must be employee of IIITDM Jabalpur
<b>Main Flow</b>	<ol style="list-style-type: none"> <li>1. Enter Id of the employee</li> <li>2. Submit employee ID.</li> </ol>

<b>Post Conditions</b>	1. Employee details will be fetched
<b>Alternate Flow</b>	1. If incorrect employee ID then give error
<b>Sub Flow</b>	NA
<b>Global Alternate Flow</b>	NA

## 4.2 System Feature 2

<b>Use Case ID</b>	UC#2
<b>Use Case Name</b>	Update Employee details
<b>Description</b>	Employee will submit updated information
<b>Actor</b>	HR Manager and Employee
<b>Precondition</b>	Person must be employee of IIITDM Jabalpur
<b>Main Flow</b>	<ol style="list-style-type: none"> <li>1. Employees will send updated information.</li> <li>2. After verification from HR employee details will be updated.</li> </ol>
<b>Post Conditions</b>	1. Employee details are updated if the details are approved.
<b>Alternate Flow</b>	1. Employee is requested to reverify his details by HR.
<b>Sub Flow</b>	NA
<b>Global Alternate Flow</b>	NA

### 4.3 System Feature 3

<b>Use Case ID</b>	UC#3
<b>Use Case Name</b>	Verification of Employee details
<b>Description</b>	The HR manager will verify and approve the employee details.
<b>Actor</b>	HR Manager
<b>Precondition</b>	Person must be HR of IIITDM Jabalpur
<b>Main Flow</b>	<ol style="list-style-type: none"> <li>1. The HR manager will verify updated employee details..</li> <li>2. After verification HR manager will approve employee details.</li> <li>3. If an error is found then request the changes.</li> </ol>
<b>Post Conditions</b>	NA
<b>Alternate Flow</b>	NA
<b>Sub Flow</b>	NA
<b>Global Alternate Flow</b>	NA

## 5. List of Open Issues

\*this is a new module (No issues yet)

S. No	Issue Details	Category	Solution	Comments
1				
2				