

# **Employee Management System**

## **Abstract**

Employees are the backbones of the company therefore their management plays a vital role in deciding the success of the company. Employee management software makes it easy for the employee to keep track of all records. This software allows the administrator to edit, remove, update the details of employees when need arises. Employees can be transferred between their positions without retying in the database and you can also verify the employees before sending the data to the database without any worry about the duplicate employees. This software brings about the easy way of maintaining the employees.

It is very simple to understand and can be used by anyone who doesn't have the knowledge about this application and it is user-friendly.

## **Project Overview**

The main idea for developing this web-application is to maintain the employees to ease the job.

## **Project Modules**

1. Administrator
2. Employee

## **Software :**

**Technologies used** : Angular, Spring Boot

**Web Technologies** : Html, CSS

**Web Server** : Apache Tomcat

**Data Base** : MongoDB

**IDE's** : Visual Studio Code, Eclipse

**API Testing Tool** : Postman

## **Modules :**

### **Administrator**

This module will be protected by the id and the password. Ordinary users of this software cannot access the admin panel. This module will be focusing on the maintenance and removal of old outdated data from the software.

- ✓ Admin login data is saved manually in the database.
- ✓ Every user must register in order to login into the application( Includes Admin also).
- ✓ He treated as a owner of the software.
- ✓ He should have a right to accept the registration of the employee based on the details.
- ✓ He should able to verify the employee details.
- ✓ He should be able to edit,update,add,delete the employee from the database.
- ✓ Admin can view the different levels of hierarchy of a employee by giving his Employee ID.
- ✓ Admin can edit/view his personal details but cannot access any users personal details.

## **Employee**

- ✓ Each new employee must be registered in the software before joining in the company and employee user interface is different from the admin's user interface.
- ✓ The employees are authenticated to the website by providing the credentials which they got at the time of registration.
- ✓ Individual profile management for each employee is provided in this software.
- ✓ In case if employee forgets his/her password ,he/she should click on forget password and authenticate themselves in order to create a new password.
- ✓ Employee can view his own hierarchy using this application.

## **Conclusion**

This application software is computed successfully. It is user friendly and has required options which can be utilized by the user to perform the desired operations.