

# MINI PROJECT FOR HCL INTERNSHIP

## EMPLOYEE MANAGEMENT SYSTEM

VALLIAPPAN.L  
39111054

### **Abstract**

Employee Management System is the application to maintain the record of employees in the organisation. I justify the need for such an application because we often forget that we are storing the array of things to complete by the end of the day. We live in an era of having less attention span, and we do not find it easy to remembering all details of everyone works in the organisation. The stored data must be in a safe place so we are using authorisation to access those data

Employee Management System is the only solution targeting its specific concern with simplicity and security. Then increasing level People and and distractors our thought process and make us hard to remember often.

### **Features**

These are the core features, which will be present in the final production-level application.

#### **Login**

- HTML5 validation
- Angular validation
- Check with exact match in database

#### **Add Employee**

- HTML5 validation
- Angular validation
- Easy to add employee

#### **Edit Employee**

- HTML5 validation
- Angular validation
- Check with exact match in database
- Easy to edit employee

#### **Dashboard**

- Easy to use Dashboard for seeing the data.
- Accessed according to authentication of the role in organisation.

#### **Management**

- Search bar can be used to search data in the table
- Table data is displayed according to authentication

## Note

*These are the initial set of core functionalities, however, there may be additional positive functionalities in the application.*

## **Tech-stack used**

A modern and lightweight tech-stack is an essential factor in determining the winning of a product in the market. This project uses up-to-date, relevant technologies to deliver a smooth and efficient user experience.

### **Frontend**

1. Angular.js for building stateful UI components.
2. Fontawesome for icons
3. Bootstrap for css
4. Routing modules

### **Backend**

1. **Server**
  - **NodeJS** - It is used to build fast, scalable server-side and client-side networking applications.
2. **Database**
  - **MongoDB** - A battle-tested NoSQL database.

## Flow Diagram

