Project Title: Employee Management System

Team Members: Ritesh Sharma / Sajjan Gautam

Project Scope

The Employee Management System is designed to streamline the management of employee activities and HR-related tasks within a company. The system will provide a centralized platform for HR to manage employee details, payroll, leave, and other administrative tasks, while employees can access their personal information, leave status, and holiday calendars. The scope of the project covers the following functionalities:

Admin Module:
- Manage employee details (add, update, delete)
- Payroll management
- Leave management
- Holiday calendar management

Employee Module:
- View personal details
- Check payroll information
- Apply for leave and check leave status
- View holiday calendar

Supportive Tools and Services:
- Database Management System (MySQL)
- REST API support for data operations
- Front-End visualization (React.js)
- Version Control Integration (GitHub)

Project Users, Actors, Vendors, Actuators

Project Users:
- **HR/Admin**: Responsible for managing employee data, payroll, and leave.
- **Employees**: Can view their personal information, payroll details, leave status, and holiday calendar.

Actors:
- **HR/Admin**: Perform CRUD operations on employee data, manage payroll, leave, and holidays.
- **Employees**: Interact with the system to view their details and apply for leave.

Vendors:
- Third-party services for payroll and leave management integration.

Actuators:

- System notifications for leave application status and payroll updates.

Project Properties

- **Programming Language**: C# (.Net Core)
- **Database Management System**: MySQL (8.0)
- **Front-End Framework**: React.js (17.0)
- **REST API**: ASP.NET Core Web API
- **Version Control**: GitHub