



Transform Yourself

Employee Management System

PROJECT MEMBERS

DHURGASHREE I	(23ITR038)
DIVYA R	(23ITR042)
GUHAN P	(23ITR050)
ARAVINDHAN T	(23ITL183)

PROJECT GUIDE

Ms.K.Sruthi



Problem Description

- Organizations often require a simple system to manage employee records efficiently.
- The challenge is to design a tool that can handle various operations related to employee management without relying on complex databases
- And Create an Employee Management System that allows for the management of employee records.

Objectives

- Handle employee records using a linked list.
- Add new employees with ID, name, department, and salary.
- Allows updating existing employee details by ID.
- Shows all employee records currently in the list.
- Provides a user interface with options to insert, update, display, or exit.

Software Tools used

- ❑ Programming Language :Java
- ❑ Integrated Development Environment :Eclipse ,IntelliJ IDEA
- ❑ Data Structures :Singly Linked List ,Queue
- ❑ Libraries : Standard Java libraries

Implementation Details

1. Employee Class:

Represents an employee with ID, name, department, and salary. Each employee points to the next one in the list.

2. EmployeeLinkedList Class:

- insertEmployee(): Adds an employee at the end of the list.
- displayEmployees(): Prints all employee details.
- updateEmployee(): Updates an employee's details by ID.

3. Main Class: Provides a menu for the user to:

- Add a new employee.
- Update an existing employee.
- Display all employees.
- Exit the program.

4. Linked List:

Employees are stored in a chain, with each pointing to the next.



Thank you!

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