Employee Management System

MINI PROJECT – I
SYNOPSIS

Department of Computer Science & Application

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SUBMITTED TO: -   SUBMITTED BY: -

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<u>Acknowledgement</u>

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ABSTRACT

Human resource difficulties face all businesses, large and small. Because every organization has different staff management needs, we create custom employee management solutions that are tailored to your needs. This is intended to aid strategic planning and guarantee that your firm has the appropriate degree of human resources to meet your long-term objectives. This approach will help you to better manage your resources.

As in small scale each company has their own holidays preference and variable week off for employees, so all this power is given to the employer to manage holidays and week days of each employee separately. It saves lots of time and has no error in pay calculation hence preventing clashes between HR Team and employees. So that both employer and employee can focus on their work .

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<u>INTRODUCTION</u>

Everything has been digitised in our age of ever-increasing technology. The human workforce has grown as a result of the abundance of job options. As a result, a system that can handle the data of such a vast number of people in a company is required. Because of its user-friendly design, this project makes the process of keeping records easier. The "EMPLOYEE MANAGEMENT SYSTEM" was created to address the issues that plagued the previous manual system. This programme is designed to eliminate, and in some cases, decrease, the problems that the current system has. To eliminate data entry mistakes, the software is kept as simple as possible. When inputting incorrect data, it also displays an error notice. The user doesn't require any formal expertise to operate this system. The admin will be able to add new employees to this project. Employee data may also be seen and printed by the administrator. Admins can also remove an employee and change their details.

SOFTWARE AND HARDWARE REQUIREMENTS

- JSDK1.5
- SWING
- Oracle 8i
- Suitable IDE
- 2 GB Ram
- Window 10

PROJECT DESCRIPTION

The purpose of this work is to give a complete approach to personnel information management.This will be accomplished by developing and deploying an HR management system that will result in a significant shift in the way employee data is managed.

This system's objectives include the following:

1. Design of an HR management system to meet needs such as adding and deleting employees, viewing and printing employee data, and updating employee information.

2. Employee data is stored in a well-designed database.

3. An easy-to-use interface that will let user interact with the system.

In order to do a feasibility study, we must consider the following:

1. Technical Feasibility

The availability of hardware & Software necessary for the creation of the system, as-well-

asthe compatibility and maturity of the technology planned to be used, and the availability

of the requisite technical staff to create the system, are all factors to consider.

2. Operational Feasibility

Problems that may develop during operations are the focus of operation feasibility. There

are two parts to this problem to consider:

⬚ What are the chances that the solution provided will not be used or will not work?

⬚ What is the inclination of-the management and end users towards the solution?

3. Economic Feasibility

The concept of economic feasibility is determining whether or not the potential benefit of fixing difficulties is worth while. Because member needs &alternative solutions haven't been specified at this point.

WORKING

All users are presented with the same login interface. User must login the system by means of valid username/password combination. After access is granted to the system, the admin can add a new user to the system by entering the basic information which are the full names and email address. The admin also assigns the new user a role which will determine the access level. During the process of user registration, the all users are issued with a unique username and password combination. Seeing that the system holds private employee information, the admin has the ability to monitor all activity logs into the system by date and time. The newly added user logs into the system with a default password which can later be changed to a more secure password. All employees can edit basic information such as newly acquired technical skills and emergency contacts. Employees can apply for leave by filling in a form as well as submitting an attachment to support their leave request. The HOD has the ability to view all employees under his/her department, assign a task and trainings. The HOD can also create a project, add members to the project and create a work breakdown structure. Being an employee, the HOD can apply for leave as well as check leave days accrued. Upon logging in to the system, the HR manager gets notifications on the leave applications submitted and has the ability to approve or reject leave requests as they are submitted. The HR carries out all employee tasks which include the ability to view and edit basic details, view pending tasks, projects and trainings. The HR also has to the ability to generate employee reports in PDF format. When you use a statement that makes change to the table but does not use INSERT, DELETE or UPDATE statement, the trigger is not invoked.

IMPLEMENTATION

All these features include the ability to add user, update (edit), and retrieve through search results. It also contains a report generation system that can be saved in a pdf file format. The system works in the following manner, Accessing the system Various companies and organizations may have different employee structures and hierarchy. Being generic, the developed System has four main access levels which are:

- Employee
- Head of Department (HOD)
- Human Resource Manager (HR)
- Administrator

The proposed system is designed to eliminate all the drawbacks of the existing employee management software. The system shall be responsible for maintaining information about employees, thus their personal profile. The system shall incorporate leave management all the way from application to acceptance/rejection of leave requests as well as all employee projects with close monitoring of the projects from creation to completion and trainings to assist in monitoring active and inactive employees.

REFERENCES;

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  Web Development with java Server pages

  Core Servlets and JSP – Marty Hall

- Java
  Java2 Complete Reference

  Sun java Documentation

- Professional Java Server Programming

Websites:

- www.java.sun.com
- www.google.com
- www.javawrench.com
- www.javaworld.com
- www.projectdeveloper.com

Faculty Guidelines:

Dr. Manoj Varshney (Assistant Professor)

GitHub Repository link:

https://github.com/anurag293/mini