

EMPLOYEE MANAGEMENT SYSTEM

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Abstract

Employee Management System is a distributed application developed to maintain the details of the employees working in the organization. It maintains the information about personal details, educational details, certifications and leave form of the employees. It enables the admin to create, store, delete and view records of the employee. The admin will create the username and password for the employee. The admin will get the details of the employees and store it in the database. So the employee can open their portal by entering their username and password and view their details. It also provides error message while providing invalid user name. The employee can apply the leave through their portal. It send the leave form to the manager when any details are entered. The manager will view the The manager sends notification to the employee regarding any events taking place in the organization.

Keywords—employee, details, notification

I. INTRODUCTION

Employees are the support of any company, management of employee enactment plays a major role in deciding the success of the organization. This software allows the administrator to edit employees, add new employees. Employee Management System is developed in order to overcome the problem of the prevailing manual system. Employee Management System is developed in php and MySQL. It supports to manage the list of employees in an organization. Employee is the strength of the company so employee Management System is very useful system for an organization. Employee Management System is accessible for admins, Managers, and employees. Only admin can have the access to all the information of the system. So that the admin can insert, delete, update the details of the employee. The system also maintains details like personal details, educational details, salary details, leave details. If any events is been taking place in the organization then the notification message will be sent to the employees regarding the events.

II. RELATED WORK

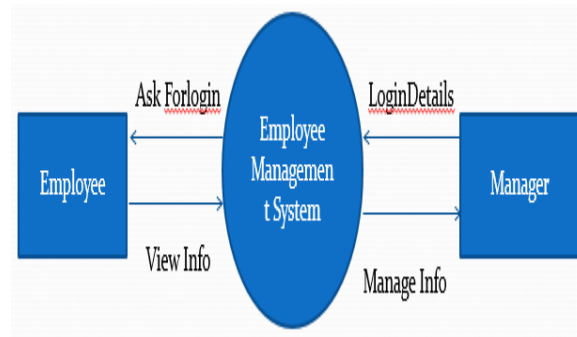
A literature review is a text of which includes the current facts including essential findings, as well as theoretical and procedural contributions to a particular topic. Literature reviews are sources, and do not report new or original experimental work. The Employee Management System maintains the details of the employee. The employee can update their certification and leave details in their login. The details include personal details, educational details, certification detail, Leave form details, salary details, leave form of the employee. When the employee apply their leave the notification will be sent to the manager ,hence it will be useful for the manager to identify the updates of the employee. This system provides automatic notification to the employees regarding any events taking place in the organization.

III. PROPOSED WORK

The Employee Management System maintains the details of the employee. The employee can update their details in their login. The details include personal details, educational detail, certification and leave form of the employee. When the employee update their certifications the notification will be sent to the manager, hence it will be useful for the manager to identify the updates of the employee. This system provides automatic notification to the employees by the manager regarding any events taking place in the organization.

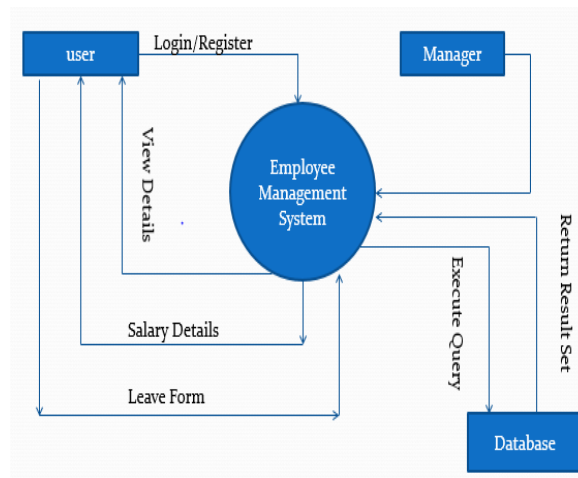
1. PROCESS FLOW

This is the zeroth data flow of employee management system. It depicts that the employee will login the portal and thus can view the information of them. The manager will login through the portal and can see all the information of the employee.



Data flow diagram level 0

The level 1 depicts that the admin will register the username and password for the newly joining employee. The admin register the details of the employee in the portal. Then the username will be given to the employee and the employee can view. The manager can send the notification to all the employees in the organization.



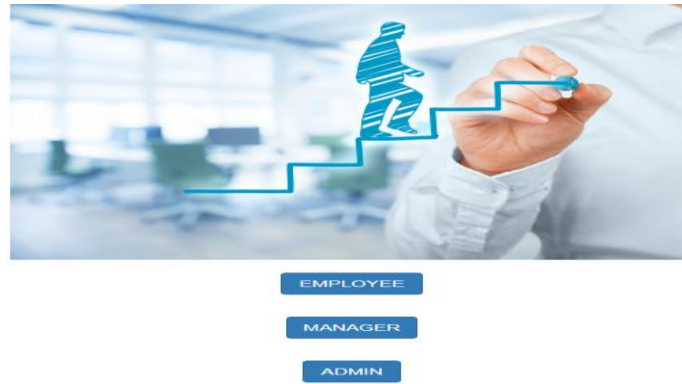
Data flow diagram level 1

2. SYSTEM IMPLEMENTATION

- A. User interface.
- B. Database.
- C. Fetch data.
- D. Notification.

A. User Interface

This includes all the form designing. In this module all the required forms will be designed for the project. This includes Login form, Personal details form, educational details, certifications, leave forms.



B. Database

This includes the database connectivity for every forms.

REGISTER TABLE

Here the employees will be registered by the admin.

| ENTITY | DATATYPE |
|------------------|-------------|
| Id | int(10) |
| username | Varchar(50) |
| Email | Varchar(50) |
| password | Varchar(50) |
| Confirm password | Varchar(50) |
| Role | Varchar(50) |

LOGIN TABLE

Login table of the employee by using username and password.

| ENTITY | DATATYPE |
|----------|-------------|
| username | Varchar(50) |
| password | Varchar(50) |

PERSONAL DETAILS

It depicts the personal details of the employee.

| ENTITY | DATATYPE |
|---------------------|-------------|
| Id | Int |
| FIRST_NAME | Varchar(50) |
| MIDDLE_NAME | Varchar(50) |
| DATE_OF_BIRTH | Date |
| IDENTIFICATION_MARK | Varchar(50) |
| FATHER_MARK | Varchar(50) |
| MOTHER_NAME | Varchar(50) |
| CASTE | Varchar(50) |
| RELIGION | Varchar(50) |
| EMAIL | Varchar(50) |
| PH_NUMBER | Int |
| GENDER | Varchar(50) |
| HOME_STATE | Varchar(50) |
| HOME_DISTRICT | Varchar(50) |
| NATIONALITY | Varchar(50) |
| LANGUAGES_KNOWN | Varchar(50) |
| BLOOD_GROUP | Varchar(50) |

EDUCATIONAL DETAILS

It depicts the educational details of the employee.

| ENTITY | DATATYPE |
|------------------------------|-------------|
| Id | Int |
| SECONDARY_INSTITUTION | Text |
| YEAR_OF_PASSING_TENTH | Int |
| TENTH_PERCENTAGE | Int |
| HIGHER_SECONDARY_INSTITUTION | Text |
| YEAR_OF_PASSING_TWELTH | Int |
| TWELTH_PERCENTAGE | Int |
| NAME_OF_INSTITUTION | Text |
| AREA_OF_DEGREE | Varchar(50) |
| PERCENTAGE | Int |
| SKILLS | Varchar(50) |
| YEAR_OF_PASSING | Int |
| STATE | Text |
| DISTRICT | Text |

CERTIFICATIONS

It describes the certifications completed by the employee.

| ENTITY | DATATYPE |
|----------------------------------|----------|
| Id | Int |
| ANY_CERTIFICATION_COMPLETED | Text |
| IF_OTHERS_SPECIFY | Text |
| NUMBER_OF_COURSES_COMPLETED | Int |
| CURRENTLY_PURSUING_CERTIFICATION | Text |
| COURSE_DURATION | Int |

LEAVE FORM

This describes the leave applied by the employee.

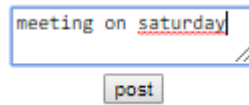
| ENTITY | DATATYPE |
|-------------------|----------|
| Id | Int |
| EMPLOYEE_NAME | Text |
| REQUEST_FOR_LEAVE | Text |
| DESCRIPTION | Text |
| FROM_DATE | Date |
| TO_DATE | Date |

C. Fetch details

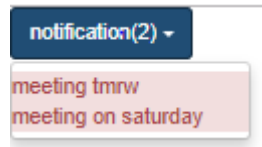
This fetches the information in the employee login when it is been registered in admin login. Then the employee can update the certifications tab and apply leave through leave tab. It also includes that the manager views all the information of employee.

D. Notification

The manager sends the notification to all the employees working in the organization regarding any events taking place in the organization.



The employees working in the organization will receive the notifications.



Employee receive notification

3. CONCLUSION AND FUTURE ENHANCEMENT

The main aim of this paper is to provide the essential information about the employee. The employee can view their information by giving the valid username and password which is been issued by the organization. The employee can apply leave from their portal itself. The manager will get updated in their portal when any updates is made. The manager can view the details of all employees and sends notification.

REFERENCES

- [1] Gray and Reuter, "An Introduction to Database Systems" Fifth Edition, Wesley Publication.
- [2] Pressman, Roger S, "Software Engineering: A Practitioner's Approach" 6th Edition, Mass: McGraw-Hill Publication.
- [3] All about PHP <http://php.net/manual/en/intro-what-is.php>
- [4] www.w3schools.com